

## Safety Data Sheet



### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

- Product Name** • **Water Base EF-10 Retread Cement**  
**Product Code** • 16-360

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Relevant identified use(s)** • Tire retread and repair

#### 1.3 Details of the supplier of the safety data sheet

- Manufacturer** • Patch Rubber Company  
100 Patch Rubber Road  
Weldon, NC 27890  
United States

**Telephone (General)** • (252)-536-2574

- Responsible party** • Christian Gimenez  
Intertek Analytical Services France  
France

**Telephone (Technical)** • 33 (0) 6 07 11 22 15

#### 1.4 Emergency telephone number

- Manufacturer** • 1-800-424-9300 - CHEMTREC  
**Manufacturer** • +1 703-527-3887 - CHEMTREC - Outside USA & CANADA (collect calls accepted)

### Section 2: Hazards Identification

#### EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]  
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

#### 2.1 Classification of the substance or mixture

- CLP**
- Skin Irritation 2 - H315
  - Eye Irritation 2 - H319
  - Skin Sensitization 1A - H317
  - Respiratory Sensitization 1 - H334
  - Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
  - Hazardous to the aquatic environment Chronic 3 - H412

**DSD/DPD**

- Irritant (Xi)  
R36/37/38, R42/43, R52/53

**2.2 Label Elements****CLP****DANGER**

- Hazard statements**
- H412 - Harmful to aquatic life with long lasting effects
  - H315 - Causes skin irritation
  - H319 - Causes serious eye irritation
  - H335 - May cause respiratory irritation
  - H317 - May cause an allergic skin reaction
  - H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

**Precautionary statements**

- Prevention**
- P285 - In case of inadequate ventilation wear respiratory protection.
  - P261 - Avoid breathing mist/vapours/spray.
  - P264 - Wash thoroughly after handling.
  - P271 - Use only outdoors or in a well-ventilated area.
  - P272 - Contaminated work clothing should not be allowed out of the workplace.
  - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
  - P273 - Avoid release to the environment.
- Response**
- P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - P341 - If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
  - P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
  - P362 - Take off contaminated clothing and wash before reuse.
  - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
  - P321 - Specific treatment, see supplemental first aid information.
  - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P337+P313 - If eye irritation persists: Get medical advice/attention.
- Storage/Disposal**
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
  - P405 - Store locked up.
  - P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**DSD/DPD**

- Risk phrases**
- R36/37/38 - Irritating to eyes, respiratory system and skin.
  - R42/43 - May cause sensitisation by inhalation and skin contact.
  - R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Safety phrases**
- S24 - Avoid contact with skin.
  - S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
  - S37 - Wear suitable gloves.

**2.3 Other Hazards****CLP**

- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

**DSD/DPD**

- According to European Directive 1999/45/EC this preparation is considered dangerous.

**United States (US)**

According to OSHA 29 CFR 1910.1200 HCS

**2.1 Classification of the substance or mixture****OSHA HCS 2012**

- Skin Irritation 2 - H315  
Eye Irritation 2 - H319  
Skin Sensitization 1A - H317  
Respiratory Sensitization 1 - H334  
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335

**2.2 Label elements****OSHA HCS 2012****DANGER**

- Hazard statements**
- Causes skin irritation - H315  
May cause an allergic skin reaction - H317  
May cause allergy or asthma symptoms or breathing difficulties if inhaled - H334  
Causes serious eye irritation - H319  
May cause respiratory irritation - H335

**Precautionary statements**

- Prevention**
- Avoid breathing mist/vapours/spray. - P261  
In case of inadequate ventilation wear respiratory protection. - P285  
Wash thoroughly after handling. - P264  
Use only outdoors or in a well-ventilated area. - P271  
Contaminated work clothing should not be allowed out of the workplace. - P272  
Wear protective gloves/protective clothing/eye protection/face protection. - P280
- Response**
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P340  
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. - P341  
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. - P342+P311  
IF ON SKIN: Wash with plenty of soap and water. - P302+P352  
Take off contaminated clothing and wash before reuse. - P362  
If skin irritation or rash occurs: Get medical advice/attention. - P333+P313  
Specific treatment, see supplemental first aid information. - P321  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338  
If eye irritation persists: Get medical advice/attention. - P337+P313
- Storage/Disposal**
- Store in a well-ventilated place. Keep container tightly closed. - P403+P233  
Store locked up. - P405  
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

**2.3 Other hazards****OSHA HCS 2012**

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

**Canada**

According to WHMIS

**2.1 Classification of the substance or mixture**

**WHMIS**

- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

**2.2 Label elements****WHMIS**

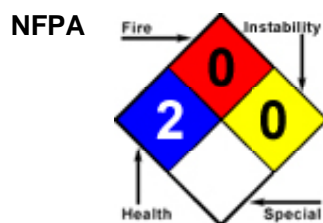
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

**2.3 Other hazards****WHMIS**

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

**2.4 Other information**

- Product may produce a film when in contact with the eye surface; Resultant film may be difficult to remove using only water.



See Section 12 for Ecological Information.

## Section 3 - Composition/Information on Ingredients

**3.1 Substances**

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

**3.2 Mixtures**

| Hazardous Components |  |               |           |  |          |
|----------------------|--|---------------|-----------|--|----------|
| Chemical Name        | Identifiers                                    | %(weight)     | LD50/LC50 | Classifications According to Regulation/Directive  | Comments |
| Rubber, natural      | CAS:9006-04-6<br>UN:UN1287<br>EINECS:232-689-0 | 30% TO<br>60% | NDA       | <b>EU DSD/DPD:</b> Self Classified - Xi; R38<br>R42/R43<br><b>EU CLP:</b> Self Classified - Skin Irrit. 2, H319;<br>Skin Sens. 1, H317; Respiratory Sens. 1,<br>H334<br><b>OSHA HCS 2012:</b> Skin Irrit. 2; Skin Sens.<br>1A; Respiratory Sens. 1 | NDA      |
| Rosin Ester          | <i>Proprietary</i>                             | 10% TO<br>30% | NDA       | <b>EU DSD/DPD:</b> Self Classified - Xi;<br>R36/37/38<br><b>EU CLP:</b> Self Classified - Skin Irrit. 2, H319;<br>Eye Irrit. 2, H315; STOT SE 3: H335<br><b>OSHA HCS 2012:</b> Eye Irrit. 2; Skin Irrit. 2;<br>STOT SE 3: Resp. Irrit.             | **       |

|  |   |                   |   |   |     |
|--|---|-------------------|---|---|-----|
| Carbon Black                                   | <b>CAS:</b> 1333-86-4<br><b>EC Number:</b> 215-609-9                      | 0.5% TO 1.5%      | Ingestion/Oral-Rat LD50 • >15400 mg/kg<br>Skin-Rabbit LD50 • >3 g/kg  | <b>EU DSD/DPD:</b> Not classified - Classification Criteria Not Met<br><b>EU CLP:</b> Not classified - Classification Criteria Not Met<br><b>OSHA HCS 2012:</b> Carc. 2   | *   |
| Ammonium hydroxide                             | <b>CAS:</b> 1336-21-6<br><b>EC Number:</b> 215-647-6                      | 0.1% TO 1%        | Ingestion/Oral-Rat LD50 • 350 mg/kg   | <b>EU DSD/DPD:</b> Annex I - C; R34 N; R50<br><b>EU CLP:</b> Annex VI - Skin Corr. 1B, H314; Aquatic Acute 1, H400<br><b>OSHA HCS 2012:</b> Acute Tox. 4 (oral); Eye Irrit. 2   | NDA |
| Glycols, polyethylene, mono(nonylphenyl) ether | <b>CAS:</b> 9016-45-9   | 0.145% TO 0.6%    | Ingestion/Oral-Rat LD50 • 1310 mg/kg<br>Skin-Rabbit LD50 • 2 mL/kg  | <b>EU DSD/DPD:</b> Self Classified - Xi; R36<br><b>EU CLP:</b> Self Classified - Eye Irrit. 2, H319<br><b>OSHA HCS 2012:</b> Eye Irrit. 2   | NDA |
| Diethylene glycol                              | <b>CAS:</b> 111-46-6<br><b>EC Number:</b> 203-872-2                       | 0.025% TO 0.125%  | Ingestion/Oral-Rat LD50 • 12565 mg/kg<br>Skin-Rabbit LD50 • 11890 mg/kg   | <b>EU DSD/DPD:</b> Annex I - Xn; R22<br><b>EU CLP:</b> Annex VI - Acute Tox 4* H302<br><b>OSHA HCS 2012:</b> Not Classified - Criteria not met  | NDA |
| Potassium hydroxide                            | <b>CAS:</b> 1310-58-3<br><b>EC Number:</b> 215-181-3<br><b>UN:</b> UN1813 | 0.016% TO 0.0816% | Ingestion/Oral-Rat LD50 • 273 mg/kg   | <b>EU DSD/DPD:</b> Annex I - Xn; R22 C; R35<br><b>EU CLP:</b> Annex VI - Acute Tox 4* H302; Skin Corr 1A, H314<br><b>OSHA HCS 2012:</b> Acute Tox. 3 (oral); Skin Corr. 1A; Eye Dam. 1  | NDA |
| Methanol                                       | <b>CAS:</b> 67-56-1<br><b>EC Number:</b> 200-659-6<br><b>UN:</b> UN1230   | 0.052%            | Inhalation-Rat LC50 • 64000 ppm 4 Hour(s)<br>Skin-Rabbit LD50 • 15800 mg/kg<br>Ingestion/Oral-Rat LD50 • 5600 mg/kg | <b>EU DSD/DPD:</b> Annex I - F; R11 T; R23/24/25-R39/23/24/25<br><b>EU CLP:</b> Annex VI - Flam Liq. 2, H225; Acute Tox 3* H331; Acute Tox 3* H311; Acute Tox 3* H301; STOT SE 1, H370**<br><b>OSHA HCS 2012:</b> Flam. Liq. 1; Eye Irrit. 2; Skin Irrit. 2; STOT SE 1  | NDA |
| Disulfide, bis (dimethylthiocarbamoyl)         | <b>CAS:</b> 137-26-8<br><b>EC Number:</b> 205-286-2                       | < 0.0275%         | Ingestion/Oral-Rat LD50 • 560 mg/kg<br>Inhalation-Rat LC50 • 500 mg/m <sup>3</sup> 4 Hour(s)                        | <b>EU DSD/DPD:</b> Annex I - Xn; R20/22 R48/22 Xi; R36/38 R43 N; R50-53<br><b>EU CLP:</b> Annex VI - Acute Tox. 4* H332; Acute Tox. 4* H302; STOT RE 2* H373**, Eye Irrit 2, H319; Skin Irrit 2, H315; Skin Sens 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; M=10<br><b>OSHA HCS 2012:</b> Acute Tox. 4 (oral), Acute Tox. 1 (inhalation); STOT RE 2, Eye Irrit. 2, Skin Irrit. 2, STOT SE 3: Resp. Irrit.; Skin Sens. 1 | NDA |

**Key to abbreviations**

\* = The CB4REACH Consortium has concluded that carbon black is classified as non-hazardous for all end-points. This classification is currently under review by ECHA.

\*\* = Ingredient is an AZ Chemical proprietary ingredient, REACH sub. Number and Reference Numbers are as follows: Sub Number: BY327426-15; Ref Number: 17-2119929457-28-0000

See Section 11 for Toxicological Information. See section 16 for full text of H-statements and R-phrases.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

**Inhalation**

- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

**Skin**

- IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If irritation develops and persists, get medical attention.

**Eye**

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

**Ingestion**

- Do not use mouth-to-mouth method if victim ingested the substance.

**4.2 Most important symptoms and effects, both acute and delayed**

- Refer to Section 11 - Toxicological Information.

**4.3 Indication of any immediate medical attention and special treatment needed****Notes to Physician**

- Treat symptomatically and supportively. No special treatment necessary specifically related to this material.

See Section 2 for Potential Health Effects.

## Section 5 - Firefighting Measures

**5.1 Extinguishing media**

**Suitable Extinguishing Media** ● SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.  
LARGE FIRE: Water spray, fog or regular foam.

**Unsuitable Extinguishing Media**

- None known.

**5.2 Special hazards arising from the substance or mixture**

**Unusual Fire and Explosion Hazards**

- Material is non-combustible and is not expected to pose a fire or explosion hazard.

**Hazardous Combustion Products**

- None known.

**5.3 Advice for firefighters**

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.  
LARGE FIRES: Dike fire-control water for later disposal.

## Section 6 - Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**

- Avoid breathing vapor or mist. Avoid contact with skin and eyes. Wear appropriate Personal Protective Equipment (PPE).

**Emergency Procedures**

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Ventilate closed spaces before entering.

**6.2 Environmental precautions**

- Avoid run off to waterways and sewers.

**6.3 Methods and material for containment and cleaning up**

**Containment/Clean-up Measures**

- Absorb with earth, sand or other non-combustible material.

**6.4 Reference to other sections**

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

#### Handling

- Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Use only with adequate ventilation. Individuals with known or suspected latex allergies should avoid all contact with this material.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

- Store in a well-ventilated place. Keep container tightly closed.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

| Exposure Limits/Guidelines                              |          |  |  |   |   |   |
|---|----------|--|--|---|---|---|
|   | Result   | ACGIH  | Canada Ontario   | Canada Quebec                                 | Europe                                    | France  |
| Potassium hydroxide<br>(1310-58-3)                      | Ceilings | 2 mg/m <sup>3</sup> Ceiling  | 2 mg/m <sup>3</sup> Ceiling  | 2 mg/m <sup>3</sup> Ceiling                   | Not established                           | Not established   |
|   | STELs    | Not established  | Not established  | Not established                               | Not established                           | 2 mg/m <sup>3</sup> STEL [VLCT]   |
| Disulfide, bis<br>(dimethylthiocarbamoyl)<br>(137-26-8) | TWAs     | 0.05 mg/m <sup>3</sup> TWA<br>(inhalable fraction<br>and vapor)                              | 0.05 mg/m <sup>3</sup> TWA<br>(inhalable fraction<br>and vapor, listed<br>under Thiram)  | 5 mg/m <sup>3</sup> TWAEV                     | Not established                           | 5 mg/m <sup>3</sup> TWA [VME]   |
| Methanol<br>(67-56-1)                                   | TWAs     | 200 ppm TWA  | 200 ppm TWA  | 200 ppm TWAEV;<br>262 mg/m <sup>3</sup> TWAEV | 200 ppm TWA; 260<br>mg/m <sup>3</sup> TWA | 200 ppm TWA [VME]<br>(restrictive limit); 260<br>mg/m <sup>3</sup> TWA [VME]<br>(restrictive limit) |
|   | STELs    | 250 ppm STEL   | 250 ppm STEL   | 250 ppm STEV; 328<br>mg/m <sup>3</sup> STEV   | Not established                           | 1000 ppm STEL<br>[VLCT]; 1300 mg/m <sup>3</sup><br>STEL [VLCT]                                      |
| Carbon Black<br>(1333-86-4)                             | TWAs     | 3 mg/m <sup>3</sup> TWA<br>(inhalable fraction)  | 3.5 mg/m <sup>3</sup> TWA  | 3.5 mg/m <sup>3</sup> TWAEV                   | Not established                           | 3.5 mg/m <sup>3</sup> TWA<br>[VME]  |
| Rubber, natural<br>(9006-04-6)                          | TWAs     | 0.0001 mg/m <sup>3</sup> TWA<br>(inhalable fraction,<br>as inhalable<br>allergenic proteins) | 0.0001 mg/m <sup>3</sup> TWA<br>(inhalable, as<br>inhalable allergenic<br>proteins)  | Not established                               | Not established                           | Not established   |
| Exposure Limits/Guidelines (Con't.)                     |          |  |  |   |   |   |
|   | Result   | Germany DFG  | Germany TRGS   | Italy   | NIOSH                                     | OSHA  |
| Potassium hydroxide<br>(1310-58-3)                      | Ceilings | Not established  | Not established  | Not established                               | 2 mg/m <sup>3</sup> Ceiling               | Not established   |
|   | TWAs     | Not established  | 10 ppm TWA AGW<br>(The risk of damage<br>to the embryo or<br>fetus can be<br>excluded when<br>AGW and BGW<br>values are<br>observed, exposure<br>factor 4); 44 mg/m <sup>3</sup> | Not established                               | Not established                           | Not established   |

|   |          |   |  |                            |                              |                            |
|---|----------|---|--|----------------------------|------------------------------|----------------------------|
| Diethylene glycol<br>(111-46-6)                         |          |   | TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 4)  |                            |                              |                            |
|   | Ceilings | 40 ppm Peak; 176 mg/m3 Peak   | Not established  | Not established            | Not established              | Not established            |
|   | MAKs     | 10 ppm TWA MAK; 44 mg/m3 TWA MAK                                    | Not established  | Not established            | Not established              | Not established            |
| Disulfide, bis<br>(dimethylthiocarbamoyl)<br>(137-26-8) | TWAs     | Not established   | 1 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, inhalable fraction, exposure factor 2)  | Not established            | 5 mg/m3 TWA                  | 5 mg/m3 TWA                |
|   | Ceilings | 2 mg/m3 Peak (inhalable fraction)                                   | Not established  | Not established            | Not established              | Not established            |
|   | MAKs     | 1 mg/m3 TWA MAK (inhalable fraction)                                | Not established  | Not established            | Not established              | Not established            |
| Methanol<br>(67-56-1)                                   | TWAs     | Not established   | 200 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 4); 270 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 4) | 200 ppm TWA; 260 mg/m3 TWA | 200 ppm TWA; 260 mg/m3 TWA   | 200 ppm TWA; 260 mg/m3 TWA |
|   | STELs    | Not established   | Not established  | Not established            | 250 ppm STEL; 325 mg/m3 STEL | Not established            |
|   | Ceilings | 800 ppm Peak; 1080 mg/m3 Peak                                       | Not established  | Not established            | Not established              | Not established            |
|   | MAKs     | 200 ppm TWA MAK; 270 mg/m3 TWA MAK                                  | Not established  | Not established            | Not established              | Not established            |
| Sodium poly acrylate<br>(9003-04-7)                     | Ceilings | 0.05 mg/m3 Peak (cross-linked and neutralized, respirable fraction) | Not established  | Not established            | Not established              | Not established            |
|   |          | 0.05 mg/m3 TWA  |  |                            |                              |                            |



|                          |      |  |                 |                 |   |                           |
|--------------------------|------|--|-----------------|-----------------|---|---------------------------|
|                          | MAKs | MAK (neutralized, cross-linked, respirable fraction) | Not established | Not established | Not established   | Not established           |
| Carbon Black (1333-86-4) | TWAs | Not established                                      | Not established | Not established | 3.5 mg/m <sup>3</sup> TWA; 0.1 mg/m <sup>3</sup> TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH) | 3.5 mg/m <sup>3</sup> TWA |

**Exposure Control Notations**

**Italy**

•Methanol (67-56-1): **Skin:** (skin - potential for cutaneous absorption)

**Germany TRGS**

•Rubber, natural (9006-04-6): **Sensitizers:** (Respiratory sensitizer (May cause sensitization by inhalation; May cause allergy or asthma symptoms of breathing difficulties if inhaled, listed under Substances or substance groups with sufficient scientific evidence showing sensitizing effects); Skin sensitizer (May cause sensitization by skin contact; May cause an allergic skin reaction, listed under Substances or substance groups with sufficient scientific evidence showing sensitizing effects))

•Methanol (67-56-1): **Skin:** (skin notation)

**Germany DFG**

•Sodium poly acrylate (9003-04-7): **Carcinogens:** (Category 4 (no significant contribution to human cancer, cross-linked and neutralized)) |

**Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to (cross-linked and neutralized))

•Rubber, natural (9006-04-6): **Sensitizers:** (respiratory and skin sensitizer)

•Diethylene glycol (111-46-6): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to)

•Disulfide, bis(dimethylthiocarbamoyl) (137-26-8): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Sensitizers:** (skin sensitizer)

•Carbon Black (1333-86-4): **Carcinogens:** (Category 3B (could be carcinogenic for man, inhalable fraction))

•Methanol (67-56-1): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Skin:** (skin notation)

**8.2 Exposure controls**

**Engineering Measures/Controls**

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

**Personal Protective Equipment**

**Pictograms**



**Respiratory**

- In case of insufficient ventilation, wear suitable respiratory equipment. If material is being applied through a spray application process respiratory protection should be worn at all times.

**Eye/Face**

- Wear safety glasses.

**Skin/Body**

- Wear protective gloves and clothing .

**Environmental Exposure Controls**

- Follow best practice for site management and disposal of waste.

**Key to abbreviations**

ACGIH = American Conference of Governmental Industrial Hygiene

STEV = Short Term Exposure Value

NIOSH = National Institute of Occupational Safety and Health

TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration

TWAEV = Time-Weighted Average Exposure Value

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

STEL = Short Term Exposure Limits are based on 15-minute exposures

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

| <b>Material Description</b>                        |                                |                                     |                               |
|--|--------------------------------|-------------------------------------|-------------------------------|
| Physical Form                                      | Liquid                         | Appearance/Description              | Gray liquid with slight odor. |
| Color  | Gray                           | Odor                                | Slight                        |
| Taste  | Data lacking                   | Particulate Type                    | Not relevant                  |
| Particulate Size                                   | Not relevant                   | Aerosol Type                        | Not relevant                  |
| Odor Threshold                                     | Data lacking                   | Physical and Chemical Properties    | Data lacking                  |
| <b>General Properties</b>                          |                                |                                     |                               |
| Boiling Point                                      | 212 F(100 C)                   | Melting Point                       | Data lacking                  |
| Decomposition Temperature                          | Data lacking                   | Heat of Decomposition               | Data lacking                  |
| pH   | 8 to 11                        | Specific Gravity/Relative Density   | 0.98 Water=1                  |
| Density  | Data lacking                   | Bulk Density                        | Data lacking                  |
| Water Solubility                                   | Soluble                        | Solvent Solubility                  | Data lacking                  |
| Viscosity  | Data lacking                   | Explosive Properties                | Data lacking                  |
| Oxidizing Properties:                              | Data lacking                   |                                     |                               |
| <b>Volatility</b>                                  |                                |                                     |                               |
| Vapor Pressure                                     | 17.54 mmHg (torr) @ 68 F(20 C) | Vapor Density                       | > 1 Air=1                     |
| Evaporation Rate                                   | Data lacking                   | VOC (Wt.)                           | Data lacking                  |
| VOC (Vol.)   | 2.7 g/L                        | Volatiles (Wt.)                     | Data lacking                  |
| Volatiles (Vol.)                                   | Data lacking                   |                                     |                               |
| <b>Flammability</b>                                |                                |                                     |                               |
| Flash Point  | Not relevant                   | UEL                                 | Not relevant                  |
| LEL  | Not relevant                   | Autoignition                        | Not relevant                  |
| Self-Accelerating Decomposition Temperature (SADT) | Not relevant                   | Heat of Combustion ( $\Delta H_c$ ) | Not relevant                  |
| Burning Time                                       | Not relevant                   | Flame Height                        | Not relevant                  |
| Flame Extension                                    | Not relevant                   | Ignition Distance                   | Not relevant                  |
| Flame Duration                                     | Not relevant                   | Flammability (solid, gas)           | Data lacking                  |
| <b>Environmental</b>                               |                                |                                     |                               |
| Half-Life  | Data lacking                   | Octanol/Water Partition coefficient | Data lacking                  |
| Coefficient of water/oil distribution              | Data lacking                   | Bioaccumulation Factor              | Data lacking                  |
| Bioconcentration Factor                            | Data lacking                   | Biochemical Oxygen Demand BOD/BOD5  | Data lacking                  |
| Chemical Oxygen Demand                             | Data lacking                   | Persistence                         | Data lacking                  |
| Degradation  | Data lacking                   |                                     |                               |

### 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- Extreme temperatures. Incompatible materials.

### 10.5 Incompatible materials

- Strong oxidizing agents, alkali metals.

### 10.6 Hazardous decomposition products

- Hydrocarbons, Carbon Oxides from dried solids.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

| Component Name  | CAS       | Data  |
|---|-----------|---|
| Water (1.7464% TO 24.372%)                                      | 7732-18-5 | <b>Acute Toxicity:</b> orl-rat LD50:>90 mL/kg   |
| Sodium poly acrylate (0.24% TO 0.28%)                           | 9003-04-7 | <b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 5 g/kg;<br><b>Irritation:</b> eye-rbt 2 mg MOD   |
| Carbon Black (0.5% TO 1.5%)                                     | 1333-86-4 | <b>Acute Toxicity:</b> orl-rat LD50:>15400 mg/kg; skn-rbt LD50:>3 gm/kg;<br><b>Tumorigen/Carcinogen:</b> ihl-rat TCLo:11600 ug/m3/18H/2Y-I  |
| Ammonium hydroxide (0.1% TO 1%)                                 | 1336-21-6 | <b>Acute Toxicity:</b> orl-rat LD50:350 mg/kg;<br><b>Irritation:</b> eye-rbt 1 mg/30S rinse SEV; eye-rbt 44 ug SEV  |
| Glycols, polyethylene, mono(nonylphenyl) ether (0.145% TO 0.6%) | 9016-45-9 | <b>Acute Toxicity:</b> orl-rat LD50:1310 mg/kg; skn-rbt LD50:2 mL/kg;<br><b>Irritation:</b> eye-rbt 5 mg SEV; skn-rbt 500 mg open MLD   |
| Diethylene glycol (0.025% TO 0.125%)                            | 111-46-6  | <b>Acute Toxicity:</b> orl-rat LD50:12000 mg/kg; skn-rbt LD50:11890 mg/kg;<br><b>Irritation:</b> eye-rbt 50 mg MLD; skn-rbt 500 mg MLD;<br><b>Tumorigen/Carcinogen:</b> orl-rat TDLo:890 gm/kg/53W-C                            |
| Potassium hydroxide (0.016% TO 0.0816%)                         | 1310-58-3 | <b>Acute Toxicity:</b> orl-rat LD50:273 mg/kg;<br><b>Irritation:</b> eye-rbt 1 mg/24H rinse MOD; skn-rbt 50 mg/24H SEV  |
| Methanol (0.052%)   | 67-56-1   | <b>Acute Toxicity:</b> orl-rat LD50:5600 mg/kg; ihl-rat LC50:64000 ppm/4H; skn-rbt LD50:15800 mg/kg;<br><b>Irritation:</b> eye-rbt 40 mg MOD; skn-rbt 20 mg/24H MOD;<br><b>Reproductive:</b> orl-rat TDLo:5200 uL/kg (10D preg) |
| Disulfide, bis(dimethylthiocarbamoyl) (< 0.0275%)               | 137-26-8  | <b>Acute Toxicity:</b> orl-rat LD50:560 mg/kg; ihl-rat LC50:500 mg/m3/4H;<br><b>Irritation:</b> eye-rbt 100 mg/24H MOD;<br><b>Reproductive:</b> orl-rat TDLo:1200 mg/kg (7-12D preg)  |

| GHS Properties                   | Classification  |
|----------------------------------|---|
| <b>Acute toxicity</b>            | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| <b>Aspiration Hazard</b>         | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| <b>Carcinogenicity</b>           | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| <b>Germ Cell Mutagenicity</b>    | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| <b>Skin corrosion/Irritation</b> | EU/CLP • Skin Irritation 2<br>OSHA HCS 2012 • Skin Irritation 2                             |

|                                      |   |
|--------------------------------------|---|
| <b>Skin sensitization</b>            | EU/CLP • Skin Sensitizer 1A<br>OSHA HCS 2012 • Skin Sensitizer 1A   |
| <b>STOT-RE</b>                       | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met   |
| <b>STOT-SE</b>                       | EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation<br>OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation |
| <b>Toxicity for Reproduction</b>     | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met   |
| <b>Respiratory sensitization</b>     | EU/CLP • Respiratory Sensitizer 1<br>OSHA HCS 2012 • Respiratory Sensitizer 1   |
| <b>Serious eye damage/Irritation</b> | EU/CLP • Eye Irritation 2<br>OSHA HCS 2012 • Eye Irritation 2   |

**Potential Health Effects**

**Inhalation**

**Acute (Immediate)**

- May cause respiratory irritation.

**Chronic (Delayed)**

- May cause respiratory sensitization. Previously sensitized individuals can have very severe (life-threatening) reactions if exposed to latex. Severe reactions to latex can have symptoms that may include, asthma and anaphylactic shock.

**Skin**

**Acute (Immediate)**

- Causes skin irritation. May cause skin sensitization. Symptoms include redness, and skin rash. This product contains latex. Previously sensitized individuals can have very severe (life-threatening) reactions if exposed to latex. Severe reactions to latex can have symptoms that may include skin rash, angiodema, asthma and anaphylactic shock.

**Chronic (Delayed)**

- No data available.

**Eye**

**Acute (Immediate)**

- Causes serious eye irritation.

**Chronic (Delayed)**

- No data available.

**Ingestion**

**Acute (Immediate)**

- Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)**

- No data available.

**Carcinogenic Effects**

- This product contains carbon black (encapsulated)(1333-86-4). According to IARC "No significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink or paint."

| <b>Carcinogenic Effects</b> |            |                              |
|-----------------------------|------------|------------------------------|
|                             | <b>CAS</b> | <b>IARC</b>                  |
| Carbon Black                | 1333-86-4  | Group 2B-Possible Carcinogen |

**Key to abbreviations**

TD = Toxic Dose      MOD = Moderate  
 LD = Lethal Dose    SEV = Severe  
 MLD = Mild          LC = Lethal Concentration

**Section 12 - Ecological Information**

## 12.1 Toxicity

- Material data lacking.

## 12.2 Persistence and degradability

- Cross linked polymers in this product are not biodegradeable.

## 12.3 Bioaccumulative potential

- Material data lacking.

## 12.4 Mobility in Soil

- Material data lacking.

## 12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

## 12.6 Other adverse effects

### Ecological Fate

- Material data lacking.

## 12.7 Other Information

- This material contains CAS 137-26-8 - tetramethylthiuram thiram disulphide (TMTD) which is listed on Annex I as harmful to the aquatic environment: N; R50-53 or R52-53 based upon concentration cut-offs. This chemical is also listed on Annex VI as Aquatic Acute 1 and Aquatic Chronic 1 with an M factor of 10. Classifications for the material as a whole have been extrapolated based upon this data.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

#### Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

|           | 14.1 UN number | 14.2 UN proper shipping name | 14.3 Transport hazard class(es) | 14.4 Packing group | 14.5 Environmental hazards |
|-----------|----------------|------------------------------|---------------------------------|--------------------|----------------------------|
| DOT       | NDA            | Not regulated                | NDA                             | NDA                | NDA                        |
| TDG       | NDA            | Not regulated                | NDA                             | NDA                | NDA                        |
| IMO/IMDG  | NDA            | Not Regulated                | NDA                             | NDA                | NDA                        |
| ADN       | NDA            | Not Regulated *              | NDA                             | NDA                | NDA                        |
| ADR/RID   | NDA            | Not Regulated                | NDA                             | NDA                | NDA                        |
| IATA/ICAO | NDA            | Not Regulated                | NDA                             | NDA                | NDA                        |

### 14.6 Special precautions for user

- None known.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

### 14.8 Other information

**ADN** • \* For carriage in tank vessels, the substances, solutions and mixtures referred to in 2.2.9.1.10.1 and those meeting the criteria for Acute 2, Acute 3 or Chronic 3 in Chapter 2.4 shall be considered to be environmentally hazardous.

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications** • Acute

| State Right To Know                             |           |     |     |     |
|---|-----------|-----|-----|-----|
| Component                                       | CAS       | MA  | NJ  | PA  |
| Water   | 7732-18-5 | No  | No  | No  |
| Sodium poly acrylate                            | 9003-04-7 | No  | No  | No  |
| Rubber, natural                                 | 9006-04-6 | No  | No  | No  |
| Rosin Ester                                     | NDA       | No  | No  | No  |
| Carbon Black                                    | 1333-86-4 | Yes | Yes | Yes |
| Ammonium hydroxide                              | 1336-21-6 | Yes | Yes | Yes |
| Glycols, polyethylene, mono (nonylphenyl) ether | 9016-45-9 | No  | No  | No  |
| Diethylene glycol                               | 111-46-6  | No  | No  | Yes |
| Potassium hydroxide                             | 1310-58-3 | Yes | Yes | Yes |
| Methanol  | 67-56-1   | Yes | Yes | Yes |
| Disulfide, bis (dimethylthiocarbamoyl)          | 137-26-8  | Yes | Yes | Yes |

| Inventory                                       |           |            |             |           |           |      |
|---|-----------|------------|-------------|-----------|-----------|------|
| Component                                       | CAS       | Canada DSL | Canada NDSL | EU EINECS | EU ELNICS | TSCA |
| Water   | 7732-18-5 | Yes        | No          | Yes       | No        | Yes  |
| Sodium poly acrylate                            | 9003-04-7 | Yes        | No          | No        | No        | Yes  |
| Rubber, natural                                 | 9006-04-6 | Yes        | No          | Yes       | No        | No   |
| Rosin Ester                                     | NDA       | No         | No          | No        | No        | No   |
| Carbon Black                                    | 1333-86-4 | Yes        | No          | Yes       | Yes       | Yes  |
| Ammonium hydroxide                              | 1336-21-6 | Yes        | No          | Yes       | No        | Yes  |
| Glycols, polyethylene, mono (nonylphenyl) ether | 9016-45-9 | Yes        | No          | No        | No        | Yes  |
| Diethylene glycol                               | 111-46-6  | Yes        | No          | Yes       | No        | Yes  |
| Potassium hydroxide                             | 1310-58-3 | Yes        | No          | Yes       | No        | Yes  |
| Methanol  | 67-56-1   | Yes        | No          | Yes       | No        | Yes  |
| Disulfide, bis (dimethylthiocarbamoyl)          | 137-26-8  | Yes        | No          | Yes       | No        | Yes  |

## Canada

**Labor****Canada - WHMIS - Classifications of Substances**

|   |           |                    |   |
|---|-----------|--------------------|---|
| • Sodium poly acrylate                            | 9003-04-7 | 0.24% TO 0.28%     | Not Listed  |
| • Rubber, natural                                 | 9006-04-6 | 30% TO 60%         | Not Listed  |
| • Diethylene glycol                               | 111-46-6  | 0.025% TO 0.125%   | D1B   |
| • Disulfide, bis (dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed  |
| • Carbon Black                                    | 1333-86-4 | 0.5% TO 1.5%       | D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Carbon Black, non-respirable on Health Canada's WHMIS Division website.) |
| • Methanol  | 67-56-1   | 0.052%             | B2, D1B, D2A, D2B (including 28%)   |
| • Potassium hydroxide                             | 1310-58-3 | 0.016% TO 0.0816%  | D1B, E; E (0.056% in aqueous solution, 0.11%, 0.56% in aqueous solution, 2.5%, 2.8%, 5.6% in aqueous solution, 25%, 28%, 33.3%, 40%, 50% in aqueous solution)   |
| • Ammonium hydroxide                              | 1336-21-6 | 0.1% TO 1%         | E   |
| • Water   | 7732-18-5 | 1.7464% TO 24.372% | Uncontrolled product according to WHMIS classification criteria   |
| • Glycols, polyethylene, mono (nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | D2B   |

**Canada - WHMIS - Ingredient Disclosure List**

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | 1 %        |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | 1 %        |
| • Methanol                                       | 67-56-1   | 0.052%             | 1 %        |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | 1 %        |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | 1 %        |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

**Environment****Canada - CEPA - Priority Substances List**

|  |           |                    |  |
|--|-----------|--------------------|--|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed   |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed   |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed   |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed   |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed   |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed   |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed   |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed   |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed   |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Priority Substance List 2 (substance considered toxic) |

**Europe**

**Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

|  |           |                    |   |
|--|-----------|--------------------|---|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed                                |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed                                |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Xn; R22                                   |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Xn; R20/22-48/22 Xi; R36/38 R43 N; R50-53 |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed                                |
| • Methanol                                       | 67-56-1   | 0.052%             | F; R11 T; R23/24/25-39/23/24/25           |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Xn; R22 C; R35                            |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | C; R34 N; R50                             |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed                                |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed                                |

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits**

|  |           |                    |  |
|--|-----------|--------------------|--|
| • Sodium poly acrylate                               | 9003-04-7 | 0.24% TO 0.28%     | Not Listed   |
| • Rubber, natural                                    | 9006-04-6 | 30% TO 60%         | Not Listed   |
| • Diethylene glycol                                  | 111-46-6  | 0.025% TO 0.125%   | Not Listed   |
| • Disulfide, bis<br>(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | 2.5%<=C: N; R50-53 0.25%<=C<2.5%: N; R51-53 0.025%<br><=C<0.25%: R52-53                                  |
| • Carbon Black                                       | 1333-86-4 | 0.5% TO 1.5%       | Not Listed   |
| • Methanol   | 67-56-1   | 0.052%             | 20%<=C: T; R:23/24/25 3%<=C<20%: Xn; R:20/21/22 10%<=C: T;<br>R:39/23/24/25 3%<=C<10%: Xn; R:68/20/21/22 |
| • Potassium hydroxide                                | 1310-58-3 | 0.016% TO 0.0816%  | 5%<=C: C; R35 2%<=C<5%: C; R34 0.5%<=C<2%: Xi; R36/38  |
| • Ammonium hydroxide                                 | 1336-21-6 | 0.1% TO 1%         | 5%<=C<10%: Xi; R:36/37/38 10%<=C: C; R:34  |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed   |
| • Glycols, polyethylene, mono<br>(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed   |

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling**

|   |           |                    |  |
|---|-----------|--------------------|--|
| • Sodium poly acrylate                              | 9003-04-7 | 0.24% TO 0.28%     | Not Listed   |
| • Rubber, natural                                   | 9006-04-6 | 30% TO 60%         | Not Listed   |
| • Diethylene glycol                                 | 111-46-6  | 0.025% TO 0.125%   | Xn R:22 S:(2)-46   |
| • Disulfide, bis(dimethylthiocarbamoyl)             | 137-26-8  | < 0.0275%          | Xn N R:20/22-36/38-43-48/22-50/53 S:(2)-26-36/37-60-<br>61 |
| • Carbon Black                                      | 1333-86-4 | 0.5% TO 1.5%       | Not Listed   |
| • Methanol  | 67-56-1   | 0.052%             | F T R:11-23/24/25-39/23/24/25 S:(1/2)-7-16-36/37-45        |
| • Potassium hydroxide                               | 1310-58-3 | 0.016% TO 0.0816%  | C R:22-35 S:(1/2)-26-36/37/39-45                           |
| • Ammonium hydroxide                                | 1336-21-6 | 0.1% TO 1%         | C N R:34-50 S:(1/2)-26-36/37/39-45-61                      |
| • Water   | 7732-18-5 | 1.7464% TO 24.372% | Not Listed   |
| • Glycols, polyethylene, mono(nonylphenyl)<br>ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed   |

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations**

|                        |           |                |            |
|------------------------|-----------|----------------|------------|
| • Sodium poly acrylate | 9003-04-7 | 0.24% TO 0.28% | Not Listed |
| • Rubber, natural      | 9006-04-6 | 30% TO 60%     | Not Listed |



|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | B          |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

|  |           |                    |                           |
|--|-----------|--------------------|---------------------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed                |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed                |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | S:(2)-46                  |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | S:(2)-26-36/37-60-61      |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed                |
| • Methanol                                       | 67-56-1   | 0.052%             | S:(1/2)-7-16-36/37-45     |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | S:(1/2)-26-36/37/39-45    |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | S:(1/2)-26-36/37/39-45-61 |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed                |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed                |

## United States

### Labor

#### U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

#### U.S. - OSHA - Specifically Regulated Chemicals

|   |           |                    |            |
|---|-----------|--------------------|------------|
| • Sodium poly acrylate                  | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                       | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                     | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl) | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                          | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                              | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                   | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                    | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water                                 | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |

|  |           |                |            |
|--|-----------|----------------|------------|
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6% | Not Listed |
|--|-----------|----------------|------------|

**Environment****U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             |            |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

|  |           |                    |                                    |
|--|-----------|--------------------|------------------------------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed                         |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed                         |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed                         |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | 10 lb final RQ; 4.54 kg final RQ   |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed                         |
| • Methanol                                       | 67-56-1   | 0.052%             | 5000 lb final RQ; 2270 kg final RQ |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | 1000 lb final RQ; 454 kg final RQ  |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | 1000 lb final RQ; 454 kg final RQ  |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed                         |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed                         |

**U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

|   |           |                  |            |
|---|-----------|------------------|------------|
| • Sodium poly acrylate                  | 9003-04-7 | 0.24% TO 0.28%   | Not Listed |
| • Rubber, natural                       | 9006-04-6 | 30% TO 60%       | Not Listed |
| • Diethylene glycol                     | 111-46-6  | 0.025% TO 0.125% | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl) | 137-26-8  | < 0.0275%        | Not Listed |

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

|  |           |                    |                                |
|--|-----------|--------------------|--------------------------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed                     |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed                     |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed                     |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | 1.0 % de minimis concentration |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed                     |
| • Methanol                                       | 67-56-1   | 0.052%             | 1.0 % de minimis concentration |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed                     |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed                     |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed                     |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed                     |

**U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

**U.S. - EPA - Designated Generic Categories - Aqueous Ammonia**

|                        |           |                |            |
|------------------------|-----------|----------------|------------|
| • Sodium poly acrylate | 9003-04-7 | 0.24% TO 0.28% | Not Listed |
|------------------------|-----------|----------------|------------|

|  |           |                    |                          |
|--|-----------|--------------------|--------------------------|
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed               |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed               |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed               |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed               |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed               |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed               |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | NH3 Equiv. Wt. % = 48.59 |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed               |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed               |

#### U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII

|  |           |                    |                                |
|--|-----------|--------------------|--------------------------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed                     |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed                     |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed                     |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed                     |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed                     |
| • Methanol                                       | 67-56-1   | 0.052%             | Included in waste stream: F039 |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed                     |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed                     |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed                     |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed                     |

#### U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261

|  |           |                    |                   |
|--|-----------|--------------------|-------------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed        |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed        |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed        |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | waste number U244 |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed        |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed        |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed        |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed        |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed        |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed        |

#### U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards

|  |           |                    |   |
|--|-----------|--------------------|---|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed  |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed  |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed  |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed  |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed  |
| • Methanol                                       | 67-56-1   | 0.052%             | 5.6 mg/L (wastewater); 0.75 mg/L TCLP (nonwastewater) |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed  |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed  |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed  |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed  |

**U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics**

|  |           |                    |                                     |
|--|-----------|--------------------|-------------------------------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed                          |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed                          |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed                          |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | waste number U244                   |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed                          |
| • Methanol                                       | 67-56-1   | 0.052%             | waste number U154 (Ignitable waste) |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed                          |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed                          |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed                          |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed                          |

**United States - California****Environment****U.S. - California - Proposition 65 - Carcinogens List**

|  |           |                    |   |
|--|-----------|--------------------|---|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed  |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed  |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed  |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed  |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size) |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed  |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed  |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed  |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed  |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed  |

**U.S. - California - Proposition 65 - Developmental Toxicity**

|  |           |                    |  |
|--|-----------|--------------------|--|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed                                   |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed                                   |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed                                   |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed                                   |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed                                   |
| • Methanol                                       | 67-56-1   | 0.052%             | Developmental toxicity, initial date 3/16/12 |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed                                   |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed                                   |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed                                   |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed                                   |

**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

## United States - Pennsylvania

### Labor

#### U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          |            |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             |            |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  |            |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         |            |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

#### U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

|  |           |                    |            |
|--|-----------|--------------------|------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Not Listed |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Not Listed |
| • Methanol                                       | 67-56-1   | 0.052%             | Not Listed |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Not Listed |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed |

## United States - Rhode Island

### Labor

#### U.S. - Rhode Island - Hazardous Substance List

|  |           |                    |                  |
|--|-----------|--------------------|------------------|
| • Sodium poly acrylate                           | 9003-04-7 | 0.24% TO 0.28%     | Not Listed       |
| • Rubber, natural                                | 9006-04-6 | 30% TO 60%         | Not Listed       |
| • Diethylene glycol                              | 111-46-6  | 0.025% TO 0.125%   | Flammable        |
| • Disulfide, bis(dimethylthiocarbamoyl)          | 137-26-8  | < 0.0275%          | Toxic            |
| • Carbon Black                                   | 1333-86-4 | 0.5% TO 1.5%       | Toxic            |
| • Methanol                                       | 67-56-1   | 0.052%             | Toxic; Flammable |
| • Potassium hydroxide                            | 1310-58-3 | 0.016% TO 0.0816%  | Toxic; Flammable |
| • Ammonium hydroxide                             | 1336-21-6 | 0.1% TO 1%         | Not Listed       |
| • Water  | 7732-18-5 | 1.7464% TO 24.372% | Not Listed       |
| • Glycols, polyethylene, mono(nonylphenyl) ether | 9016-45-9 | 0.145% TO 0.6%     | Not Listed       |

## 15.2 Chemical Safety Assessment

- Chemical Safety Assessment is not required.

## 15.3 Other Information

- **WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. **WARNING:** This product contains a chemical known to the State of California to cause cancer.

## Section 16 - Other Information

### Relevant Phrases (code & full text)

- H225 - Highly flammable liquid and vapour  
H301 - Toxic if swallowed  
H302 - Harmful if swallowed  
H311 - Toxic in contact with skin  
H314 - Causes severe skin burns and eye damage  
H331 - Toxic if inhaled  
H332 - Harmful if inhaled  
H370 - Causes damage to organs.  
H373 - May cause damage to organs through prolonged or repeated exposure.  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R11 - Highly flammable.  
R20/22 - Harmful by inhalation and if swallowed.  
R22 - Harmful if swallowed.  
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.  
R34 - Causes burns.  
R35 - Causes severe burns.  
R36 - Irritating to eyes.  
R36/38 - Irritating to eyes and skin.  
R38 - Irritating to skin.  
R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.  
R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.

### Last Revision Date

- 19/October/2012

### Preparation Date

- 09/March/2012

### Disclaimer/Statement of Liability

- The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

### Key to abbreviations

NDA = No data available.