

Safety Data Sheet



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

1.1 Product identifier

- Product Name** • Activator for Butyl Innerliner Sealer
Product Code • 16-239; 16-240

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

- Relevant identified use(s)** • Tire 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

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** • Acute Toxicity Inhalation 4 - H332
Acute Toxicity Oral 4 - H302
DSD/DPD • Harmful (Xn)
R20/22

2.2 Label Elements

CLP

WARNING



Hazard statements • H302 - Harmful if swallowed

H332 - Harmful if inhaled

Precautionary statements

- Prevention** ● P260 - Do not breathe dust, fume, gas, mist, vapours and/or spray.
P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
- Response** ● P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P312 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell.
P330 - Rinse mouth.

- Storage/Disposal** ● P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

- Supplemental information** ● 40 percent of this product consists of an ingredient of unknown inhalation toxicity.
7.2 percent of this product consists of an ingredient of unknown oral toxicity.

DSD/DPD



- Risk phrases** ● R20/22 - Harmful by inhalation and if swallowed.

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 material 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** ● Specific Target Organ Toxicity Repeated Exposure 1 - H372

2.2 Label elements

OSHA HCS 2012

DANGER



- Hazard statements** ● Causes damage to organs - Nervous System through prolonged or repeated exposure - H372

Precautionary statements

- Prevention** ● Do not breathe dust, fume, gas, mist, vapours and/or spray. - P260
Wash thoroughly after handling. - P264
Do not eat, drink or smoke when using this product. - P270
- Response** ● Get medical advice/attention if you feel unwell. - P314
- Storage/Disposal** ● 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 - D2B

2.2 Label elements

WHMIS



- 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).

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

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Manganese dioxide	CAS:1313-13-9 EC Number:215-202-6	40% TO 70%	Ingestion/Oral-Rat LD50 • 3478 mg/kg	EU DSD/DPD: Annex VI: Xn; R20/22 EU CLP: Annex VI: Acute Tox. 4, H332; Acute Tox. 4, H302 OSHA HCS 2012: STOT RE 1 (CNS, Inhalation); Ox. Sol. 3	NDA
Terphenyls, hydrogenated	CAS:61788-32-7 EINECS:262-967-7	15% TO 40%	Ingestion/Oral-Rat LD50 • 17500 mg/kg	EU DSD/DPD: Not Classified - Criteria not met EU CLP: Not Classified - Criteria not met OSHA HCS 2012: Not Classified - Criteria not met	NDA
Partially hydrogenated polyphenyls, quaterphenyls and higher	CAS:68956-74-1 EINECS:273-316-1	5% TO 10%	NDA	EU DSD/DPD: Not Classified - Criteria not met EU CLP: Not Classified - Criteria not met OSHA HCS 2012: Not Classified - Criteria not met	NDA
Terphenyl	CAS:26140-60-3 EINECS:247-477-3	1% TO 5%	NDA	EU DSD/DPD: Self Classified: Xn; R22 EU CLP: Self Classified: Acute Tox. 4, H302 OSHA HCS 2012: Acute Tox. 4 (Oral)	NDA

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation**
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention immediately.
- Skin**
- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. 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**
- Give plenty of water to drink. Do not give anything by mouth to an unconscious person. Get medical attention immediately.

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**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.
- Unsuitable Extinguishing Media**
- No data available.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
- Hazardous Combustion Products**
- May decompose with the liberation of oxygen at 535°C.

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Use water spray to cool containers exposed to fire.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Do not walk through spilled material. Wear appropriate Personal Protective Equipment (PPE). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist, vapours and/or spray.
- Emergency Procedures**
- No emergency procedures are expected to be necessary if material is used under ordinary conditions as as recommended.

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**
- Wipe small spills up with a paper towel and discard then rinse area with water. For larger spills absorb with earth, sand or other non-combustible material. Sweep up

or shovel absorbed material into an appropriate container for later disposal. Wash spill are with soap and water.

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. Use only with adequate ventilation. Do not breathe mist, vapours and/or spray. Avoid ingestion. Do not eat, drink or smoke when using this product. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage

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

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	France	Germany DFG
Terphenyl (26140-60-3)	Ceilings	5 mg/m3 Ceiling	5 mg/m3 Ceiling	0.53 ppm Ceiling; 5 mg/m3 Ceiling	Not established	Not established
	STELs	Not established	Not established	Not established	0.5 ppm STEL [VLCT]; 5 mg/m3 STEL [VLCT]	Not established
Terphenyls, hydrogenated (61788-32-7)	TWAs	0.5 ppm TWA (non-irradiated)	0.5 ppm TWA (as sum of components assayed by chromatographic procedure with reference to the bulk sample)	0.5 ppm TWAEV; 4.9 mg/m3 TWAEV	Not established	Not established
Manganese dioxide (1313-13-9)	TWAs	Not established	Not established	5 mg/m3 TWAEV (as Mn) <i>as Manganese compounds</i>	Not established	Not established
	Ceilings	Not established	Not established	Not established	Not established	1.6 mg/m3 Peak (Ceiling factor 1 for Permanganates, inhalable fraction); 0.16 mg/m3 Peak (Ceiling factor 1 for Permanganates, respirable fraction)
	MAKs	Not established	Not established	Not established	Not established	0.2 mg/m3 TWA MAK (inhalable fraction); 0.02 mg/m3 TWA MAK (respirable fraction)

Exposure Limits/Guidelines (Con't.)			
	Result	NIOSH	OSHA
Terphenyl (26140-60-3)	Ceilings	Not established	1 ppm Ceiling; 9 mg/m ³ Ceiling
Terphenyls, hydrogenated (61788-32-7)	TWAs	0.5 ppm TWA; 5 mg/m ³ TWA	Not established
Manganese dioxide as Manganese compounds	Ceilings	Not established	5 mg/m ³ Ceiling (as Mn) <i>as Manganese compounds</i>
	STELs	3 mg/m ³ STEL (as Mn) <i>as Manganese compounds</i>	Not established
	TWAs	1 mg/m ³ TWA (as Mn) <i>as Manganese compounds</i>	Not established

Exposure Control Notations

Germany DFG

•Manganese dioxide (1313-13-9): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to (inhalable fraction, respirable fraction))

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

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses).

Skin/Body

- Wear appropriate gloves.

General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Do not get in eyes or on skin or clothing.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste. Avoid release to the environment.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

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

NIOSH = National Institute of Occupational Safety and Health

TWAEV = Time-Weighted Average Exposure Value

OSHA = Occupational Safety and Health Administration

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

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Thick black/brown paste with a faint odor.
Color	Black/Brown	Odor	Faint
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	1.76 Water=1	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Not Explosive.
Oxidizing Properties:	Not an Oxidizer.		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Not Flammable.		
Environmental			
Octanol/Water Partition coefficient	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

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Excessive temperatures, contamination.

10.5 Incompatible materials

- Strong Oxidizers, reducing agents.

10.6 Hazardous decomposition products

- Oxygen, oxides of carbon and manganese, dense smoke.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
Manganese dioxide (40% TO 70%)	1313-13-9	Acute Toxicity: orl-rat LD50:3478 mg/kg; Reproductive: ihl-mus TCLo:49 mg/m3/7H (75D pre/1-18D preg)
GHS Properties		Classification

Acute toxicity	EU/CLP • Acute Toxicity - Inhalation 4; Acute Toxicity - Oral 4 - ATEmix = 817.75 mg/kg (oral) / 11 mg/L (inh) OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
STOT-RE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1
STOT-SE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met

Target Organs

- Nervous System

Route(s) of entry/exposure

- Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation

Acute (Immediate)

- Harmful if inhaled.

Chronic (Delayed)

- No data available

Skin

Acute (Immediate)

- May cause irritation.

Chronic (Delayed)

- No data available

Eye

Acute (Immediate)

- May cause irritation.

Chronic (Delayed)

- No data available.

Ingestion

Acute (Immediate)

- Harmful if swallowed.

Chronic (Delayed)

- No data available.

Other

Chronic (Delayed)

- Repeated or prolonged exposure may cause damage to the nervous system.

Key to abbreviations

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

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

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
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.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Chronic

State Right To Know				
Component	CAS	MA	NJ	PA
Manganese dioxide	1313-13-9	No	Yes	Yes
Terphenyls, hydrogenated	61788-32-7	Yes	Yes	Yes
Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	No	No	No
Terphenyl	26140-60-3	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Manganese dioxide	1313-13-9	Yes	No	Yes	Yes	No
Terphenyls, hydrogenated	61788-32-7	Yes	No	Yes	Yes	No
Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Yes	No	Yes	Yes	No
Terphenyl	26140-60-3	Yes	No	Yes	Yes	No

Inventory (Con't.)				
Component	CAS	Japan ENCS	Korea KECL	TSCA
Manganese dioxide	1313-13-9	Yes	Yes	Yes
Terphenyls, hydrogenated	61788-32-7	Yes	Yes	Yes
Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	No	Yes	Yes
Terphenyl	26140-60-3	Yes	Yes	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Partially hydrogenated polyphenyls, quaterphenyls and higher 68956-74-1 Not Listed
- Terphenyl 26140-60-3 Not Listed
- Terphenyls, hydrogenated 61788-32-7 Uncontrolled product according to WHMIS classification criteria
- Manganese dioxide 1313-13-9 C, D2B
- Manganese dioxide as Manganese compounds Not Listed

Canada - WHMIS - Ingredient Disclosure List

- Partially hydrogenated polyphenyls, quaterphenyls and higher 68956-74-1 Not Listed
- Terphenyl 26140-60-3 Not Listed
- Terphenyls, hydrogenated 61788-32-7 Not Listed
- Manganese dioxide 1313-13-9 Not Listed
- Manganese dioxide as Manganese compounds 1 %

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Not Listed
• Manganese dioxide as Manganese compounds		Not Listed

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Xn; R20/22
• Manganese dioxide as Manganese compounds		Not Listed

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Not Listed
• Manganese dioxide as Manganese compounds		Not Listed

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Xn R:20/22 S:(2)-25
• Manganese dioxide as Manganese compounds		Not Listed

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Not Listed
• Manganese dioxide as Manganese compounds		Not Listed

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	S:(2)-25
• Manganese dioxide as Manganese compounds		Not Listed

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Not Listed
• Manganese dioxide as Manganese compounds		Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

- Partially hydrogenated polyphenyls, quaterphenyls and higher 68956-74-1 Not Listed
- Terphenyl 26140-60-3 Not Listed
- Terphenyls, hydrogenated 61788-32-7 Not Listed
- Manganese dioxide 1313-13-9 Not Listed
- Manganese dioxide as Manganese compounds Not Listed

Environment

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

- Partially hydrogenated polyphenyls, quaterphenyls and higher 68956-74-1 Not Listed
- Terphenyl 26140-60-3 Not Listed
- Terphenyls, hydrogenated 61788-32-7 Not Listed
- Manganese dioxide 1313-13-9 Not Listed
- Manganese dioxide as Manganese compounds (including any unique chemical substance that contains Manganese as part of its infrastructure)

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

- Partially hydrogenated polyphenyls, quaterphenyls and higher 68956-74-1 Not Listed
- Terphenyl 26140-60-3 Not Listed
- Terphenyls, hydrogenated 61788-32-7 Not Listed
- Manganese dioxide 1313-13-9 Not Listed
- Manganese dioxide as Manganese compounds Not Listed

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

- Partially hydrogenated polyphenyls, quaterphenyls and higher 68956-74-1 Not Listed
- Terphenyl 26140-60-3 Not Listed
- Terphenyls, hydrogenated 61788-32-7 Not Listed
- Manganese dioxide 1313-13-9 Not Listed
- Manganese dioxide as Manganese compounds Not Listed

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

- Partially hydrogenated polyphenyls, quaterphenyls and higher 68956-74-1 Not Listed
- Terphenyl 26140-60-3 Not Listed
- Terphenyls, hydrogenated 61788-32-7 Not Listed
- Manganese dioxide 1313-13-9 Not Listed
- Manganese dioxide as Manganese compounds Not Listed

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

- Partially hydrogenated polyphenyls, quaterphenyls and higher 68956-74-1 Not Listed
- Terphenyl 26140-60-3 Not Listed
- Terphenyls, hydrogenated 61788-32-7 Not Listed
- Manganese dioxide 1313-13-9 Not Listed
- Manganese dioxide as Manganese compounds Not Listed

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

- Partially hydrogenated polyphenyls, quaterphenyls and higher 68956-74-1 Not Listed
- Terphenyl 26140-60-3 Not Listed
- Terphenyls, hydrogenated 61788-32-7 Not Listed
- Manganese dioxide 1313-13-9 Not Listed
- Manganese dioxide as Manganese compounds 1.0 % de minimis concentration (Chemical Category N450)

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Not Listed
• Manganese dioxide as Manganese compounds		Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Not Listed
• Manganese dioxide as Manganese compounds		Not Listed

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Not Listed
• Manganese dioxide as Manganese compounds		Not Listed

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Not Listed
• Manganese dioxide as Manganese compounds		Not Listed

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Not Listed
• Manganese dioxide as Manganese compounds		Not Listed

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Not Listed
• Manganese dioxide as Manganese compounds		Not Listed

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

• Partially hydrogenated polyphenyls, quaterphenyls and higher	68956-74-1	Not Listed
• Terphenyl	26140-60-3	Not Listed
• Terphenyls, hydrogenated	61788-32-7	Not Listed
• Manganese dioxide	1313-13-9	Not Listed
• Manganese dioxide as Manganese compounds		Not Listed

United States - Pennsylvania

Labor

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

- Partially hydrogenated polyphenyls, quaterphenyls and higher 68956-74-1 Not Listed
- Terphenyl 26140-60-3 Not Listed
- Terphenyls, hydrogenated 61788-32-7 Not Listed
- Manganese dioxide 1313-13-9 Not Listed
- Manganese dioxide as Manganese compounds

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

- Partially hydrogenated polyphenyls, quaterphenyls and higher 68956-74-1 Not Listed
- Terphenyl 26140-60-3 Not Listed
- Terphenyls, hydrogenated 61788-32-7 Not Listed
- Manganese dioxide 1313-13-9 Not Listed
- Manganese dioxide as Manganese compounds Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date

- 8/October/2013

Preparation Date

- 8/October/2013

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