

Safety Data Sheet



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

1.1 Product identifier

- Product Name** • **TIRE PATCH** (Chemical Cure, Dual Cure, Heat Cure)
Product Code • Various

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

- Relevant identified use(s)** • Radial patches for tire repair; Bias patches for tire repair; Tube patches for tire tube repair; Universal patches for tire repair; Pilot wire patch plugs for 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

- 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** • Not classified
DSD/DPD • Not classified

2.2 Label Elements

CLP

Hazard statements ● No label element(s) required

DSD/DPD

Risk phrases ● No label element(s) required

2.3 Other Hazards

CLP

- This material is exempt from CLP/REACH obligations as an article as specified in REACH (1907/2006) and related ECHA guidance.

DSD/DPD

- Under European Directive 1999/45/EC these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

- Not classified

2.2 Label elements

OSHA HCS 2012

Hazard statements ● No label elements(s) required

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard) this product is exempt as an article under stated normal conditions of use.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Not classified

2.2 Label elements

WHMIS

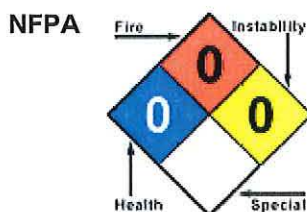
- No label element(s) required

2.3 Other hazards

WHMIS

- Under Canadian regulations (Workplace Hazardous Materials Information System (WHMIS) - Hazardous Products Act (HPA), Section 11(1)), these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use.

2.4 Other information



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 ingredients are encapsulated in rubber matrix and are not airborne or of respirable size therefore will not be released or otherwise result in exposure to hazardous chemicals under normal conditions of use.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.

Eye

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.

Ingestion

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

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 ● Water, foam, dry chemical, carbon dioxide (CO₂).

Unsuitable Extinguishing Media

- No data available.

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

- No data available

5.3 Advice for firefighters

- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.
- Emergency Procedures**
- No emergency procedures are expected to be necessary if material is used under ordinary conditions as as recommended. Use normal clean up procedures.

6.2 Environmental precautions

- No special precautions necessary.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Pick up pieces and place in container or bag for disposal.

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**
- Use good safety and industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

- Storage**
- 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
Zinc oxide (1314-13-2)	STELs	10 mg/m ³ STEL (respirable fraction)	10 mg/m ³ STEL (respirable)	10 mg/m ³ STEV (fume)	Not established	Not established
	TWAs	2 mg/m ³ TWA (respirable fraction)	2 mg/m ³ TWA (respirable)	10 mg/m ³ TWAEV (containing no Asbestos and <1% Crystalline silica, total dust); 5 mg/m ³ TWAEV (fume)	5 mg/m ³ TWA [VME] (fume); 10 mg/m ³ TWA [VME] (dust)	Not established
	Ceilings	Not established	Not established	Not established	Not established	1 mg/m ³ Peak (respirable fraction, fume)
	MAKs	Not established	Not established	Not established	Not established	1 mg/m ³ TWA MAK (fume, respirable fraction)
Carbon Black (1333-86-4)	TWAs	3 mg/m ³ TWA (inhalable fraction)	3.5 mg/m ³ TWA	3.5 mg/m ³ TWAEV	3.5 mg/m ³ TWA [VME]	Not established

Exposure Limits/Guidelines (Con't.)			
	Result	NIOSH	OSHA
Zinc oxide (1314-13-2)	TWAs	5 mg/m ³ TWA (dust and fume)	5 mg/m ³ TWA (fume); 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
	Ceilings	15 mg/m ³ Ceiling (dust)	Not established
	STELs	10 mg/m ³ STEL. (fume)	Not established
Carbon Black (1333-86-4)	TWAs	3.5 mg/m ³ TWA; 0.1 mg/m ³ TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)	3.5 mg/m ³ TWA

Exposure Control Notations

Germany DFG

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

8.2 Exposure controls

Engineering

Measures/Controls

- Under normal conditions of use, special ventilation is not required.

Personal Protective Equipment

Respiratory

- No respiratory protection is required under normal conditions of use.

Eye/Face

- Under normal conditions of use, eye protection is not required.

Skin/Body

- No skin protection is ordinarily required under normal conditions of use.

Environmental Exposure Controls

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

Key to abbreviations

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

STEV = Short Term Exposure Value

TWAEV = Time-Weighted Average Exposure Value

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

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Black solid rubber with characteristic odor.
Color	Black	Odor	Data lacking
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
General Properties			
Boiling Point	Data lacking	Melting Point	Data lacking

Decomposition Temperature	Data lacking	Heat of Decomposition	Data lacking
pH	Not relevant	Specific Gravity/Relative Density	> 1 Water=1
Density	Data lacking	Bulk Density	Data lacking
Water Solubility	Data lacking	Solvent Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Not relevant.
Oxidizing Properties:	Not relevant.		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Not relevant	VOC (Wt.)	Not relevant
VOC (Vol.)	Not relevant	Volatiles (Wt.)	0 % @ Room temp.
Volatiles (Vol.)	0 % @ Room temp.		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Data lacking
Self-Accelerating Decomposition Temperature (SADT)	Data lacking	Heat of Combustion (ΔH_c)	Data lacking
Burning Time	Data lacking	Flame Duration	Data lacking
Flame Height	Data lacking	Flame Extension	Data lacking
Ignition Distance	Data lacking	Flammability (solid, gas)	Not relevant.
Environmental			
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

- No data available

10.5 Incompatible materials

- No data available.

10.6 Hazardous decomposition products

- Thermal decomposition could produce CO, CO₂, and Oxides of Nitrogen.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Other Material Information

- This material is an article that does not release or otherwise result in exposure to a hazardous chemical under normal use. The information provided below is for components only and is not expected to be applicable to the material as a whole.

GHS Properties	Classification
Acute toxicity	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Aspiration Hazard	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Carcinogenicity	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Germ Cell Mutagenicity	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Skin corrosion/Irritation	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Skin sensitization	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
STOT-RE	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
STOT-SE	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Toxicity for Reproduction	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Respiratory sensitization	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Serious eye damage/Irritation	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant

Route(s) of entry/exposure

- No exposure expected to be possible

Potential Health Effects

Inhalation

Acute (Immediate)

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

Chronic (Delayed)

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

Skin

Acute (Immediate)

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

Chronic (Delayed)

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

Eye

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • Under normal conditions of use, no health effects are expected.

Ingestion

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • Under normal conditions of use, no health effects are expected.

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."

Carcinogenic Effects		
	CAS	IARC
Carbon Black	1333-86-4	Group 2B-Possible Carcinogen

Reproductive Effects

- No reproductive effects expected.

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

- PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects

- Material data lacking.

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 • No special precautions.

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 • None

State Right To Know				
Component	CAS	MA	NJ	PA
Carbon Black	1333-86-4	Yes	Yes	Yes
Zinc oxide	1314-13-2	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Carbon Black	1333-86-4	Yes	No	Yes	Yes	Yes
Zinc oxide	1314-13-2	Yes	No	Yes	Yes	No

Inventory (Con't.)		
Component	CAS	TSCA
Carbon Black	1333-86-4	Yes
Zinc oxide	1314-13-2	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Carbon Black 1333-86-4 < 16.13% 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.)
- Zinc oxide 1314-13-2 <= 1.02% Uncontrolled product according to WHMIS classification criteria
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Carbon Black	1333-86-4	< 16.13%	1 %
• Zinc oxide	1314-13-2	<= 1.02%	1 %
• Zinc oxide as Zinc compounds		<= 1.02%	Not Listed

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

• Carbon Black	1333-86-4	< 16.13%	Not Listed
• Zinc oxide	1314-13-2	<= 1.02%	Not Listed
• Zinc oxide as Zinc compounds		<= 1.02%	Not Listed

China**Other****China - Annex I & II - Controlled Chemicals Lists**

• Carbon Black	1333-86-4	< 16.13%	Not Listed
• Zinc oxide	1314-13-2	<= 1.02%	Not Listed
• Zinc oxide as Zinc compounds		<= 1.02%	Not Listed

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

• Carbon Black	1333-86-4	< 16.13%	Not Listed
• Zinc oxide	1314-13-2	<= 1.02%	N; R50-53
• Zinc oxide as Zinc compounds		<= 1.02%	Not Listed

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

• Carbon Black	1333-86-4	< 16.13%	Not Listed
• Zinc oxide	1314-13-2	<= 1.02%	Not Listed
• Zinc oxide as Zinc compounds		<= 1.02%	Not Listed

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

• Carbon Black	1333-86-4	< 16.13%	Not Listed
• Zinc oxide	1314-13-2	<= 1.02%	N R:50/53 S:60-61
• Zinc oxide as Zinc compounds		<= 1.02%	Not Listed

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

• Carbon Black	1333-86-4	< 16.13%	Not Listed
• Zinc oxide	1314-13-2	<= 1.02%	Not Listed

- Zinc oxide as Zinc compounds <= 1.02% Not Listed

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% S:60-61
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2002/95/EC) (RoHS)

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients

- Carbon Black 1333-86-4 < 16.13% Cosmetic colorant
- Zinc oxide 1314-13-2 <= 1.02% Bulking (Zinc oxide); Cosmetic colorant (CI 77947); Skin protecting (Zinc oxide); UV absorber (Zinc oxide, other acceptable INCI name: ZINC OXIDE)
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Perfume and Aromatic Materials

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany

Labor

Germany - Immission Control - Qualifying Quantities for Major Accident Prevention

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany - Immission Control - Qualifying Quantities for Safety Reporting

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany - TRGS 505 - Specific Lead Regulations

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Environment

Germany - TA Luft - Types and Classes

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany - TA Luft - Emission Limits for Carcinogenic Substances

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany - TA Luft - Emission Limits for Fibers

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany - TA Luft - Emission Limits for Inorganic Dusts

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany - TA Luft - Emission Limits for Inorganic Gases

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany - TA Luft - Emission Limits for Organic Substances

- Carbon Black 1333-86-4 < 16.13% Not Listed

- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany - Water Classification (VwVwS) - Annex 1

- Carbon Black 1333-86-4 < 16.13% ID Number 1742, not considered hazardous to water
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Germany - Water Classification (VwVwS) - Annex 3

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% ID Number 2187, hazard class 2 - hazard to waters
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

United States

Labor

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

Environment

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% 1.0 % de minimis concentration (Chemical Category N982)

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

United States - California

Environment

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

- Carbon Black 1333-86-4 < 16.13% carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% (fume)
- Zinc oxide as Zinc compounds <= 1.02%

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

- Carbon Black 1333-86-4 < 16.13% Not Listed
- Zinc oxide 1314-13-2 <= 1.02% Not Listed
- Zinc oxide as Zinc compounds <= 1.02% Not Listed

15.2 Chemical Safety Assessment

- Chemical Safety Assessment is not required.
-

Section 16 - Other Information

- | | |
|--|---|
| Last Revision Date | <ul style="list-style-type: none">• 30/August/2012 |
| Preparation Date | <ul style="list-style-type: none">• 15/February/2012 |
| Disclaimer/Statement of Liability | <ul style="list-style-type: none">• 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
