

SAFETY DATA SHEET

PETTIT



Revision Date 27-Sep-2018
Version 1

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name PETTIT HRT HYBRID REACTIVE TECHNOLOGY UNEPOXY SEASONAL ANTIFOULING PAINT - BLACK
Product code 1181100

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

Recommended Use Paint
Restrictions on use Read label instructions and SDS

1.3 Details of the supplier of the safety data sheet

Supplier Kop-Coat, Inc. / Pettit Marine Paint
Marine Group
36 Pine Street
Rockaway, NJ 07866
1-800-221-4466

1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

2. Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

| | |
|--|---------------------|
| Acute toxicity - Oral | Category 4 |
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |
| Carcinogenicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 - (H335) |
| Flammable liquids | Category 3 |

2.2 Label elements

Signal Word

Warning

Hazard Statements

Harmful if swallowed
Causes skin irritation
Causes serious eye irritation
Suspected of causing cancer
May cause respiratory irritation
Flammable liquid and vapor



Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/Bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
Rinse mouth
In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

2.3. Other Hazards Hazards not otherwise classified (HNOC)

Not Applicable

2.4 Other information

Not Applicable

Unknown Acute Toxicity < 1% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information on Ingredients

Substance
Mixture

| Chemical Name | CAS No. | Weight-% |
|---------------------------------------|------------|----------|
| Cuprous oxide | 1317-39-1 | 20 - 30 |
| Petroleum distillates, light aromatic | 64742-95-6 | 10 - 20 |
| Barium Sulfate | 7727-43-7 | 10 - 20 |
| Zinc oxide | 1314-13-2 | 5 - 10 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 5 - 10 |
| Talc | 14807-96-6 | 5 - 10 |
| MAGNESITE | 546-93-0 | 1 - 5 |
| Carbon black | 1333-86-4 | 1 - 5 |
| CUMENE | 98-82-8 | < 1 |
| Ethylbenzene | 100-41-4 | < 1 |

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

4.1 Description of first-aid measures

General advice For further assistance, contact your local Poison Control Center.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Call a poison control center or doctor for treatment advice.

Skin contact Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a poison control center or doctor for treatment advice.

Inhalation Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.

Ingestion Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately. If a person vomits when lying on his back, place him in the recovery position.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician There is no specific antidote for effects from overexposure to this material. Treat symptomatically.

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Foam. Carbon dioxide (CO₂). Dry chemical. Water spray or fog. Water may be used to cool and prevent the rupture of containers that are exposed to the heat from a fire.

Unsuitable Extinguishing Media Water may be unsuitable for extinguishing fires.

5.2 Special hazards arising from the substance or mixture

Special Hazard

Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to areas away from work site before igniting/flashing back to vapor source. Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products Possible formation of carbon oxides, nitrogen oxides, and hazardous organic compounds.

Explosion Data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Yes.

5.3 Advice for firefighters

Evacuate personnel to safe areas. Move non-burning material, as feasible, to a safe location as soon as possible. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Thoroughly decontaminate all protective equipment after use. DO NOT extinguish a fire resulting from the flow of flammable liquid until the flow of the liquid is effectively shut off. This precaution will help prevent the accumulation of an explosive vapor-air mixture after the initial fire is extinguished.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do it without risk. Refer to protective measures listed in sections 7 and 8. Avoid exceeding of the given occupational exposure limits (see section 8). Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill.

6.2 Environmental precautions

Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

Methods for Containment

Dike far ahead of liquid spill for later disposal. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Ground and bond containers when transferring material. Take precautionary measures against static discharges.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation. Ground and bond containers when transferring material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Use according to package label instructions. Empty containers may retain product residue or vapor. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. No smoking.

Hygiene measures

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in properly labeled containers. Keep away from food, drink and animal feedings. Store in accordance with local regulations.

Materials to Avoid No materials to be especially mentioned.

8. Exposure controls/personal protection

8.1 Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | British Columbia | Alberta | Quebec | Ontario TWAEV |
|-----------------------------|--|---|--|--|--|--|
| Cuprous oxide 1317-39-1 | TWA: 1 mg/m ³ Cu dust and mist | - | | | | |
| Barium Sulfate 7727-43-7 | TWA: 5 mg/m ³ inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica | TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction | TWA: 10 mg/m ³ TWA: 3 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ | TWA: 10 mg/m ³ |
| Zinc oxide 1314-13-2 | STEL: 10 mg/m ³ respirable fraction TWA: 2 mg/m ³ respirable fraction | TWA: 5 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction | TWA: 2 mg/m ³ STEL: 10 mg/m ³ | TWA: 2 mg/m ³ STEL: 10 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³ | TWA: 2 mg/m ³ STEL: 10 mg/m ³ |
| Talc 14807-96-6 | TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction | TWA: 20 mppcf if 1% Quartz or more, use Quartz limit | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ | TWA: 3 mg/m ³ | TWA: 2 mg/m ³ |
| MAGNESITE 546-93-0 | - | TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction | TWA: 10 mg/m ³ TWA: 3 mg/m ³ | | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ |
| Carbon black 1333-86-4 | TWA: 3 mg/m ³ inhalable fraction | TWA: 3.5 mg/m ³ | TWA: 3 mg/m ³ | TWA: 3.5 mg/m ³ | TWA: 3.5 mg/m ³ | TWA: 3 mg/m ³ |
| CUMENE 98-82-8 | TWA: 50 ppm | TWA: 50 ppm TWA: 245 mg/m ³ S* | TWA: 25 ppm STEL: 75 ppm | TWA: 50 ppm TWA: 246 mg/m ³ | TWA: 50 ppm TWA: 246 mg/m ³ | TWA: 50 ppm |
| Ethylbenzene 100-41-4 | TWA: 20 ppm | TWA: 100 ppm TWA: 435 mg/m ³ | TWA: 20 ppm | TWA: 100 ppm TWA: 434 mg/m ³ STEL: 125 ppm STEL: 543 mg/m ³ | TWA: 100 ppm TWA: 434 mg/m ³ STEL: 125 ppm STEL: 543 mg/m ³ | TWA: 20 ppm |

8.2 Appropriate engineering controls

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

8.3 Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields. If splashes are likely to occur, wear: Tightly fitting safety goggles. Face-shield.

Skin and body protection Solvent-resistant gloves. Nitrile rubber. Neoprene gloves. Impervious butyl rubber gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Remove and wash contaminated clothing before re-use. Long sleeved clothing. Protective shoes or

boots.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

See section 7 for more information

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------------|-----------------------|--------------------------|
| Physical state | Liquid | Color | Black |
| Appearance | No information available | Odor Threshold | No information available |
| Odor | Aromatic solvent | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Methods</u> |
|------------------------------|-------------------------|--------------------------|
| pH | | No information available |
| Melting/freezing point | | No information available |
| Boiling point/boiling range | 161 °C / 322 °F | |
| Flash Point | 46 °C / 115 °F | |
| Evaporation rate | < 1 | Butyl acetate=1 |
| Flammability (solid, gas) | | No information available |
| Flammability Limits in Air | | |
| upper flammability limit | | No information available |
| lower flammability limit | | No information available |
| Vapor pressure | | No information available |
| Vapor density | | No information available |
| Specific Gravity | 1.765 | |
| Water solubility | | No information available |
| Solubility in other solvents | | No information available |
| Partition coefficient | | No information available |
| Autoignition temperature | | No information available |
| Decomposition temperature | | No information available |
| Viscosity, kinematic | > 22 mm ² /s | |
| Viscosity, dynamic | | No information available |
| Explosive properties | | No information available |
| Oxidizing Properties | | No information available |

9.2 Other information

| | |
|---|--------------|
| Volatile organic compounds (VOC) content | 470 g/L |
| Density | 14.72 lb/gal |

10. Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

Keep away from heat, sparks and flames.

10.5 Incompatible Materials

No materials to be especially mentioned.

10.6 Hazardous Decomposition Products

None under normal use conditions. Thermal decomposition can lead to release of irritating gases and vapors.

11. Toxicological information

11.1 Acute toxicity

Numerical measures of toxicity: Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Unknown Acute Toxicity < 1% of the mixture consists of ingredient(s) of unknown toxicity

| | |
|-------------------------|----------------|
| Oral LD50 | 1,743.00 mg/kg |
| Dermal LD50 | 9,303.00 mg/kg |
| LC50 (Dust/Mist) | 57.00 mg/l |
| LC50 (Vapor) | 226.00 mg/l |

Numerical measures of toxicity: Component Information

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|-----------------------|--------------------------|-----------------------------------|
| Cuprous oxide 1317-39-1 | 470 mg/kg (Rat) | > 2000 mg/kg (Rat) | = 5 mg/L (Rat) 4 h |
| Petroleum distillates, light aromatic 64742-95-6 | > 5,000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 3400 ppm (Rat) 4 h |
| Barium Sulfate 7727-43-7 | > 5005 mg/kg (rat) | - | - |
| Zinc oxide 1314-13-2 | 5000 mg/kg (Rat) | - | - |
| 1,2,4-Trimethylbenzene 95-63-6 | 3280 mg/kg (Rat) | > 3160 mg/kg (Rabbit) | = 18 g/m ³ (Rat) 4 h |
| CUMENE 98-82-8 | 1400 mg/kg (Rat) | = 12300 µL/kg (Rabbit) | 8700 ppm (Rat) 4-h |
| Ethylbenzene 100-41-4 | 3500 mg/kg (Rat) | = 15400 mg/kg (Rabbit) | = 17.2 mg/L (Rat) 4 h |

11.2 Information on toxicological effects

Skin corrosion/irritation

Product Information

- No information available

Component Information

- No information available

Serious eye damage/eye irritation

Product Information

- No information available

Component Information

- No information available

Respiratory or skin sensitization

Product Information

- No information available

Component Information

• No information available

Germ cell mutagenicity

Product Information

• No information available

Component Information

• No information available

Carcinogenicity

Product Information

• The table below indicates whether each agency has listed any ingredient as a carcinogen

Component Information

• Contains a known or suspected carcinogen

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------------------|-------|----------|------------------------|------|
| Carbon black 1333-86-4 | - | Group 2B | - | |
| CUMENE 98-82-8 | - | Group 2B | Reasonably Anticipated | |
| Ethylbenzene 100-41-4 | - | Group 2B | - | |

Reproductive toxicity

Product Information

• No information available

Component Information

• No information available

STOT - single exposure

No information available

STOT - repeated exposure

• No information available

Other adverse effects

Product Information

• No information available

Component Information

• No information available

Aspiration hazard

Product Information

• No information available

Component Information

• No information available

12. Ecological information

12.1 Toxicity

Ecotoxicity

No information available

13.67248 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates |
|----------------------------|---|------------------|---|
| Cuprous oxide 1317-39-1 | EC50: 96 h Desmodesmus subspicatus 65 mg/L EC50: 96 h Pseudokirchneriella subcapitata | - | EC50: 48 h Daphnia magna 0.51 mg/L |

| | | | |
|---|---|---|---|
| | 0.021 - 0.037 mg/L EC50: 96 h Pseudokirchneriella subcapitata 0.055 - 0.076 mg/L static | | |
| Petroleum distillates, light aromatic 64742-95-6 | - | LC50: 96 h Oncorhynchus mykiss 9.22 mg/L | EC50: 48 h Daphnia magna 6.14 mg/L |
| Zinc oxide 1314-13-2 | LC50: 0.136 mg/l | LC50: 0.169 mg/l | - |
| 1,2,4-Trimethylbenzene 95-63-6 | - | LC50: 96 h Pimephales promelas 7.19 - 8.28 mg/L flow-through | EC50: 48 h Daphnia magna 6.14 mg/L |
| Talc 14807-96-6 | - | LC50: 96 h Brachydanio rerio 100 g/L semi-static | - |
| CUMENE 98-82-8 | EC50: 72 h Pseudokirchneriella subcapitata 2.6 mg/L | LC50: 96 h Pimephales promelas 6.04 - 6.61 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 4.8 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 2.7 mg/L semi-static LC50: 96 h Poecilia reticulata 5.1 mg/L semi-static | EC50: 48 h Daphnia magna 0.6 mg/L EC50: 48 h Daphnia magna 7.9 - 14.1 mg/L Static |
| Ethylbenzene 100-41-4 | EC50: 72 h Pseudokirchneriella subcapitata 4.6 mg/L EC50: 96 h Pseudokirchneriella subcapitata 438 mg/L EC50: 72 h Pseudokirchneriella subcapitata 2.6 - 11.3 mg/L static EC50: 96 h Pseudokirchneriella subcapitata 1.7 - 7.6 mg/L static | LC50: 96 h Oncorhynchus mykiss 11.0 - 18.0 mg/L static LC50: 96 h Oncorhynchus mykiss 4.2 mg/L semi-static LC50: 96 h Pimephales promelas 7.55 - 11 mg/L flow-through LC50: 96 h Lepomis macrochirus 32 mg/L static LC50: 96 h Pimephales promelas 9.1 - 15.6 mg/L static LC50: 96 h Poecilia reticulata 9.6 mg/L static | EC50: 48 h Daphnia magna 1.8 - 2.4 mg/L |

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Discharge into the environment must be avoided

| Chemical Name | log Pow |
|-----------------------------------|---------|
| 1,2,4-Trimethylbenzene 95-63-6 | 3.63 |
| CUMENE 98-82-8 | 3.55 |
| Ethylbenzene 100-41-4 | 3.118 |

12.4 Mobility in soil

No information available.

12.5 Other adverse effects

No information available

13. Disposal Considerations

13.1 Waste treatment methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

Note DOT Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)"

DOT Not regulated (If shipped in NON BULK packaging by ground transport)

MEX no data available

IMDG

Proper shipping name UN1263, Paint, 3, III

IATA

Proper shipping name UN1263, Paint, 3, III

15. Regulatory information

15.1 International Inventories

TSCA Complies
DSL Complies
EINECS/ELINCS -
ENCS -
IECSC -
KECL -
PICCS -
AICS -
NZIoC -

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL - Canadian Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

15.2 U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | SARA 313 - Threshold Values % | Weight-% |
|-----------------------------------|-------------------------------|----------|
| Cuprous oxide 1317-39-1 | 1.0 | 20 - 30 |
| Barium Sulfate 7727-43-7 | 1.0 | 10 - 20 |
| Zinc oxide 1314-13-2 | 1.0 | 5 - 10 |
| 1,2,4-Trimethylbenzene 95-63-6 | 1.0 | 5 - 10 |
| Ethylbenzene 100-41-4 | 0.1 | < 1 |

15.3 Pesticide Information

U.S. EPA Pesticide Information

EPA Pesticide Registration Number 60061-132

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

WARNING. Combustible liquid and vapor. Vapor harmful. Fatal if swallowed. Causes eye irritation. Harmful if absorbed

through the skin. May be fatal if swallowed or inhaled.

15.4 U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

| Chemical Name | California Prop. 65 |
|---|---|
| Carbon black - 1333-86-4 | Carcinogen |
| CUMENE - 98-82-8 | Carcinogen |
| Ethylbenzene - 100-41-4 | Carcinogen |
| Crystalline silica (Quartz) (Respirable) - 14808-60-7 | Carcinogen |
| Cadmium - 7440-43-9 | Carcinogen Developmental Male Reproductive |
| Lead - 7439-92-1 | Carcinogen Developmental Female Reproductive Male Reproductive |
| Benzene - 71-43-2 | Carcinogen Developmental Male Reproductive |
| Toluene - 108-88-3 | Developmental Female Reproductive |

16. Other information

| | | | | |
|-------------|-------------------------|-----------------------|--------------------------|--|
| NFPA | Health Hazard 2 | Flammability 2 | Instability 0 | Physical and chemical hazards - |
| HMIS | Health Hazard 2* | Flammability 2 | Physical Hazard 0 | Personal protection X |

Legend:

- ACGIH (American Conference of Governmental Industrial Hygienists)
- Ceiling (C)
- DOT (Department of Transportation)
- EPA (Environmental Protection Agency)
- IARC (International Agency for Research on Cancer)
- International Air Transport Association (IATA)
- International Maritime Dangerous Goods (IMDG)
- NIOSH (National Institute for Occupational Safety and Health)
- NTP (National Toxicology Program)
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)
- PEL (Permissible Exposure Limit)
- Reportable Quantity (RQ)
- Skin designation (S*)
- STEL (Short Term Exposure Limit)
- TLV® (Threshold Limit Value)
- TWA (time-weighted average)

Revision Date 27-Sep-2018

Revision Note
 No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet