



Issue date 07/14/2024 Reviewed on 07/14/2024

1 Identification

- · Product Identifier
- · Trade Name: Forever RV Coat Pro
- · Relevant identified uses of the substance or mixture and uses advised against:
- · Product Description: Curing Silicone Sealant
- Details of the Supplier of the Safety Data Sheet:
- · Manufacturer/Supplier:

THE RV ROOF MAN

9754 Kent Street

Suite 200

Elk Grove, California 95624

P: 916-284-7067

Emergency telephone number: 916-284-7067

2 Hazard(s) Identification

· Classification of the substance or mixture:



Acute Toxicity - Oral 4 H302 Harmful if swallowed. Acute Toxicity - Inhalation 4 H332 Harmful if inhaled. Skin Irritation 2 H315 Causes skin irritation.

Eye Irritation 2B H320 Causes eye irritation.

- · Label elements:
- · Hazard pictograms:



- · Signal word: Warning
- · Hazard-determining components of labeling:

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Quartz (SiO2)

Dibutyltin dilaurate

butan-2-one O,O',O"-(methylsilylidyne)trioxime

· Hazard statements:

H302+H332 Harmful if swallowed or if inhaled. H315+H320 Causes skin and eye irritation.

· Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/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.

P280 Wear protective gloves.

(Contd. on page 2)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/14/2024 Reviewed on 07/14/2024

Trade Name: Forever RV Coat Pro

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

P330 Rinse mouth.

P302+P352 If on skin: Wash with plenty of water.

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

· Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

5 % of the mixture consists of component(s) of unknown toxicity.

· Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)



Health = 2 Fire = 1 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = *2 Fire = 1

REACTIVITY O Physical Hazard = 0

· Hazard(s) not otherwise classified (HNOC): None known

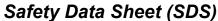
3 Composition/Information on Ingredients

- · Chemical characterization: Substance
- · Description: Mixture of substances listed below with non-hazardous additions.

· Dangerous Components:		
CAS: 77-58-7 Dibutyltin dilaurate RTECS: WH 7000000 Acute Toxicity, Oral 3, H301: A Corm Call Mutagonicity 3, H341: Toxic to		<5%
11126. W11766666	Acute Toxicity - Oral 3, H301; Germ Cell Mutagenicity 2, H341; Toxic to Reproduction 1B, H360; Specific Target Organ Toxicity - Repeated Exposure 1, H372	
CAS: 1760-24-3 RTECS: KV 7400000	N-(3-(trimethoxysilyl)propyl)ethylenediamine ♦ Acute Toxicity - Oral 2, H300; ♦ Skin Corrosion 1A, H314; Eye Damage 1, H318; ♦ Sensitization - Skin 1, H317	<5%

(Contd. on page 3)





Issue date 07/14/2024 Reviewed on 07/14/2024

Trade Name: Forever RV Coat Pro

CAS: 14808-60-7 RTECS: VV 7330000	Quartz (SiO2) Carcinogenicity 1A, H350; Specific Target Organ Toxicity - Repeated Exposure 1, H372; Acute Toxicity - Inhalation 4, H332; Specific Target Organ Toxicity - Single Exposure 3, H335; Eye Irritation 2B, H320	<5%
CAS: 22984-54-9	butan-2-one O,O',O"-(methylsilylidyne)trioxime Specific Target Organ Toxicity - Repeated Exposure 2, H373; Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335	<5%

· Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

- · Description of first aid measures
- · General information:

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

- · After inhalation: In case of unconsciousness place patient stably in the side position for transportation.
- · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

If easy to do so, remove contact lenses if worn.

If eye irritation occurs, consult a doctor.

· After swallowing:

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

If swallowed and symptoms occur, consult a doctor.

- Information for doctor
- · Most important symptoms and effects, both acute and delayed:

Quartz: Can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death; inhaled from occupational sources is classified as carcinogenic to humans. Some studies show in workers exposed to respirable quartz excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease, chronic bronchitis and emphysema.

· Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5 Fire-Fighting Measures

- Extinguishing media
- · Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- · For safety reasons unsuitable extinguishing agents: No further relevant information.
- · Special hazards arising from the substance or mixture:

Silicone oxides, carbon dioxide, carbon monoxide, various other hydrocarbons.

VAPORS FROM COMBUSTION OF THE UNCURED MATERIAL ARE TOXIC.

· Advice for firefighters Vapors are heavier than air and may travel along the ground.

(Contd. on page 4)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/14/2024 Reviewed on 07/14/2024

Trade Name: Forever RV Coat Pro

· Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

- · Environmental precautions: Dilute with plenty of water.
- Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· PAC-1:		
77-58-7	Dibutyltin dilaurate	1.1 mg/m³
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	23 mg/m³
14808-60-7	Quartz (SiO2)	0.075 mg/m³
70131-67-8	Hydroxy terminated polydimethylsiloxane	190 mg/m³
· PAC-2:		
77-58-7	Dibutyltin dilaurate	8 mg/m³
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	250 mg/m ³
14808-60-7	Quartz (SiO2)	8.3 mg/m3
70131-67-8	Hydroxy terminated polydimethylsiloxane	2,100 mg/m ³
· PAC-3:		
77-58-7	Dibutyltin dilaurate	48 mg/m³
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	1,500 mg/m³
14808-60-7	Quartz (SiO2)	50 mg/m3
70131-67-8	Hydroxy terminated polydimethylsiloxane	13,000 mg/m³

7 Handling and Storage

- · Handling
- · Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

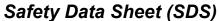
Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about protection against explosions and fires: Keep protective respiratory device available.

(Contd. on page 5)





Issue date 07/14/2024 Reviewed on 07/14/2024

Trade Name: Forever RV Coat Pro

- · Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and receptacles:

Store in a cool location. Store in a well-ventilated location. Store away from heat and flame. Store away from food. Store away from string acids and bases. Do not use sparking material to open container. Keep containers closed.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep receptacle tightly sealed.
- · Specific end use(s): No further relevant information available.

8 Exposure Controls/Personal Protection

- · Additional information about design of technical systems: No further data; see section 7.
- · Control parameters:
- · Components with occupational exposure limits:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

77-58-7 Dibutyltin dilaurate

PEL Long-term value: 0.1 mg/m³

as Sn

REL Long-term value: 0.1 mg/m³

as Sn, Skin

TLV | Short-term value: 0.2 mg/m³

Long-term value: 0.1 mg/m³

as Sn; A4; Skin

14808-60-7 Quartz (SiO2)

PEL Long-term value: 0.05* mg/m³

*resp. dust; 30mg/m3/%SiO2+2

REL Long-term value: 0.05* mg/m³

*respirable dust; See Pocket Guide App. A

TLV Long-term value: 0.025* mg/m³

*respirable particulate matter, A2

- · Additional information: The lists that were valid during the creation of this SDS were used as basis.
- Exposure controls:
- Personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· Breathing equipment: Not required.

(Contd. on page 6)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/14/2024 Reviewed on 07/14/2024

Trade Name: Forever RV Coat Pro

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material:

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· Eye protection:



Tightly sealed goggles

· Limitation and supervision of exposure into the environment: None

9 Physical and Chemical Properties

- · Information on basic physical and chemical properties
- · General Information

· Appearance:

Form:
Color:
White/gray
Odor:
Odor threshold:
Not determined.

PH-value:
Not determined.

· Change in condition

Melting point/Melting range:
Boiling point/Boiling range:Not determined.
118 °C (244.4 °F)Flash point:118 °C (244.4 °F)Flammability (solid, gaseous):Not applicable.Auto igniting:Not applicable

· *Ignition temperature:* Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

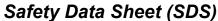
Not determined.

· Explosion limits:

· Decomposition temperature:

Lower: Not determined.

(Contd. on page 7)



Issue date 07/14/2024 Reviewed on 07/14/2024

Trade Name: Forever RV Coat Pro

Upper: Not determined.

· Vapor pressure: Not determined.

· Vapor pressure @ 50 °C (122 °F): 26

• **Density @ 20 °C (68 °F):** 1.2 g/cm³ (10.014 lbs/gal)

Relative density @ 20 °C (68 °F):

· Vapor density: Not determined.

Evaporation rate @ 20 °C (68 °F): 0.12

· Solubility in / Miscibility with:

Water: Negligible

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined. **Kinematic:** Not determined.

· Solvent content:

VOC content: 40 g/L

· Other information: No further relevant information available.

10 Stability and Reactivity

· Reactivity:

This material releases cyclohexylamine upon moisture curing. Exposure to cychexylamine upon moisture curing.

Chemical stability:

Hydrolyzes slowly at ambient temperatures, when exposed to moust air, to release cyclohexyamine. Solvent evaporation will also take place if open to the air. Keep conatiner closed to prevent exposre to air.

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- · Conditions to avoid: Heat. Contact with acids or bases. Exposure to air for long periods of time.
- · Incompatible materials: Contact with fluorine, oxygen diffuoride, and chlorine trifluoride will cause fire.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological Information

- · Information on toxicological effects:
- · Acute toxicity:

· LD/LC50 values that are relevant for classification:		
77-58-7 Dibutyltin dilaurate		
Oral	LD50	175 mg/kg (Rat)
	Toxic Dose Low	50,532 μg/kg (Rat)
	LC50/48 hrs	>0.5 mg/l (Trout)
1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine		
Oral	LD50	7,300 mg/kg (mouse)
		/0 11 0

(Contd. on page 8)





Issue date 07/14/2024 Reviewed on 07/14/2024

Trade Name: Forever RV Coat Pro

		5,628 mg/kg (Rat)	
		14.4 mg/kg /g/kg (rabbit)	
Dermal	LD50	15,800 mg/kg (rabbit)	
Inhalative	LC50/4 h	64,000 mg/l (Rat)	
14808-60-7 Quartz (SiO2)			
Oral	LD50	>22,500 mg/kg (Rat)	
		mg/kg (rabbit)	
Inhalative	LC50/96 hours	1,033 mg/l (Trout)	

· Primary irritant effect:

· On the skin:

Corrosive effect on skin and mucous membranes.

Corrosive to skin and mucous membranes.

· On the eye:

Irritating effect.

Corrosive effect.

- · Sensitization: Sensitization possible through skin contact.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Toxic

Corrosive

Irritant

The product can cause inheritable damage.

Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· Carcinogenic categories:

· IARC (International Agency for Research on Cancer):

"In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicate dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled"

14808-6	60-7 Quartz (SiO2)	1
· NTP (Na	ational Toxicology Program):	
14808-6	60-7 Quartz (SiO2)	K
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OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/14/2024 Reviewed on 07/14/2024

Trade Name: Forever RV Coat Pro

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

12 Ecological Information

· Toxicity:

· Aquatic toxicity:

1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine

EC50 81-90 mg/l (Daphnia)
EBC50 5.5 mg/l (Green algae)
ERC50 8.8 mg/l (Green algae)
NOEC/NOEL >1 mg/l (Daphnia)

14808-60-7 Quartz (SiO2)

EC50 218 mg/l (Green algae)

- · Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- · *Mobility in soil:* No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even extremely small quantities leak into the ground.

- Results of PBT and vPvB assessment:
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects: No further relevant information available.

13 Disposal Considerations

- · Waste treatment methods
- Recommendation:

Observe all federal, state and local environmental regulations when disposing of this material.

- · Uncleaned packaging
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport Information

· UN-Number:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

· UN proper shipping name:

· **DOT, IMDG, IATA** Non-Regulated Material

· ADR/ADN UN-

(Contd. on page 10)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/14/2024 Reviewed on 07/14/2024

Trade Name: Forever RV Coat Pro

· Transport hazard class(es):

· DOT, ADR/ADN, ADN, IMDG, IATA

· Class: Non-Regulated Material

· Packing group:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

Environmental hazards: Not applicable.Special precautions for user: Not applicable.

· Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

UN "Model Regulation": Non-Regulated Material

15 Regulatory Information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture: No further relevant information available.
- · SARA (Superfund Amendments and Reauthorization):
- · Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· Hazardous Air Pollutants

None of the ingredients are listed.

- · California Proposition 65:
- · Chemicals known to cause cancer:

14808-60-7 Quartz (SiO2)

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· New Jersey Right-to-Know List:

14808-60-7 Quartz (SiO2)

· New Jersey Special Hazardous Substance List:

14808-60-7 Quartz (SiO2)

CA

Pennsylvania Right-to-Know List:

14808-60-7 Quartz (SiO2)

(Contd. on page 11)



OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 07/14/2024 Reviewed on 07/14/2024

Trade Name: Forever RV Coat Pro

· Pennsylvania Special Hazardous Substance List:	
None of the ingredients are listed.	

· Carcinogen	nic categories:	
· EPA (Enviro	onmental Protection Agency):	
None of the	ingredients are listed.	
· TLV (Thres	hold Limit Value established by ACGIH):	
77-58-7	Dibutyltin dilaurate	A4
14808-60-7	Quartz (SiO2)	A2
· NIOSH-Ca (National Institute for Occupational Safety and Health):	
14808-60-7	Quartz (SiO2)	

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:



· Signal word: Warning

· Hazard-determining components of labeling:

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Quartz (SiO2) Dibutvltin dilaurate

butan-2-one O,O',O"-(methylsilylidyne)trioxime

Hazard statements:

H302+H332 Harmful if swallowed or if inhaled. H315+H320 Causes skin and eye irritation.

· Precautionary statements:

Avoid breathing dust/fume/gas/mist/vapors/spray. P261

P264 Wash thoroughly after handling.

Do not eat, drink or smoke when using this product. P270 P271 Use only outdoors or in a well-ventilated area.

Wear protective gloves. P280

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

P330 Rinse mouth.

P302+P352 If on skin: Wash with plenty of water.

Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). P321

IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304+P340

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. P362+P364 P337+P313 If eye irritation persists: Get medical advice/attention.

(Contd. on page 12)



Page 12/12

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(q) revised in 2012 and GHS Rev 03.

Issue date 07/14/2024 Reviewed on 07/14/2024

Trade Name: Forever RV Coat Pro

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

6 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· Contact:

· Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, ÉU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Toxicity - Oral 2: Acute toxicity - Category 2

Acute Toxicity - Oral 3: Acute toxicity - Category 3

Acute Toxicity - Inhalation 4: Acute toxicity – Category 4 Skin Corrosion 1A: Skin corrosion/irritation – Category 1A

Skin Irritation 2: Skin corrosion/irritation - Category 2

Eye Damage 1: Serious eye damage/eye irritation - Category 1

Eye Irritation 2A: Serious eye damage/eye irritation - Category 2A

Eye Irritation 2B: Serious eye damage/eye irritation - Category 2B

Sensitization - Skin 1: Skin sensitisation - Category 1

Germ Cell Mutagenicity 2: Germ cell mutagenicity - Category 2

Carcinogenicity 1A: Carcinogenicity – Category 1A
Toxic to Reproduction 1B: Reproductive toxicity – Category 1B

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) - Category 3

Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) - Category 1

Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) - Category 2

* Data compared to the previous version altered.

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106