

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

Product ID: ST009-00C UPC# 7 73204 60009 2

Product Name: Filler

Product Use: Wood Filler.

Formula date: 7/10/17

Revision: 3

Company Identification

Distributed by:

Alexandria Moulding, Inc.
20352 Power Dam Road,
Alexandria, Ontario K0C-1A0
Phone: 1-800-267-1773

**FOR EMERGENCY MEDICAL
INFORMATION, CONTACT
LOCAL POISON CONTROL
OFFICE.**

Product Family: Mixture

Section 2- Hazard(s) Identification

NOTE: Under normal and recommended use conditions, this product is not expected to cause adverse health effects.

GHS Hazard Classification:

Carcinogenicity: Category 1A

Eye (Serious Damage/Irritation): Category 2A

Skin Sensitization: Category 1

GHS Pictogram:



GHS Signal Word: DANGER

Hazard Statement(s):

H317: **May cause an allergic skin reaction.**

H319: **Causes serious eye irritation.**

H350: **May cause cancer.**

Precautionary Statement(s):

P101: **If medical advice is needed, have product container or label at hand.**

P102: **Keep out of reach of children.**
 P103: **Read label before use.**
 P201: **Obtain special instructions before use.**
 P202: **Do not handle until all safety precautions have been read and understood.**
 P261: **Avoid breathing dust/fume/gas/mist/vapours/spray.**
 P264: **Wash any body part (skin, eyes) in contact with product thoroughly after handling.**
 P272: **Contaminated work clothing should not be allowed out of workplace.**
 P280: **Wear protective gloves/protective clothing/eye protection/face protection.**
 P302+P352: **IF ON SKIN: Gently wash with plenty of soap and water.**
 P308+P313: **IF exposed or concerned: Get medical advice/attention.**
 P333+P313: **If skin irritation or rash occurs: Get medical advice/attention.**
 P337+P313: **If eye irritation persists: Get medical advice/attention.**
 P305+P351+P338: **IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts lenses, if present and easy to do. Continue rinsing.**
 P405: **Store locked up.**
 P501: **Dispose of contents/container in accordance with local/regional/national/international regulation.**

Emergency Overview: If product is sanded or abraded, may cause mechanical irritation of eyes, skin and respiratory tract. If necessary, use ventilation to keep exposures below recommended exposure limits. KEEP OUT OF REACH OF CHILDREN. Risk of injury is dependent on the duration and level of exposure. A single exposure will not result in serious adverse effects

Section 3-Composition/Information on Ingredients

Substance/Mixture: Mixture

Hazardous Components:

Common Name	C.A.S. No.	Wt. %
Vinyl Acetate Homopolymer Solution	Mixture	15 max
Titanium Dioxide	13463-67-7	0.50 max
Chlorothalonil	1897-45-6	0.1 max
Bicyclic Oxazolidines	Mixture	0.25 max
Proprietary Hazardous Ingredients*	-----	1.0 max

*Proprietary Hazardous Ingredients are considered a "Trade Secret". These ingredients, to the current knowledge of supplier/manufacturer, are at concentrations which do not require reporting under the OSHA Hazardous Communication Standard (29 CFR 1910.1200).

Non-Hazardous Components:

Non-Hazardous Ingredients are not considered hazardous by the Federal Hazard Communication Standard 29 CFR 1910.1200

Common Name	C.A.S. No.	Wt. %
Acrylic Polymers	Mixture	35 max

Glass Oxide	65997-17-3	35 max
Nepheline Syenite	37244-96-5	25 max
Other Non-Hazardous Ingredients	-----	1.5 max

Section 4-First Aid Measures

First Aid Measures:

Skin contact: Wash affected area with soap and water. Consult physician if irritation persists. Remove and wash contaminated clothing.

Inhalation: Remove patient to fresh air and keep at rest in position comfortable for breathing. Consult physician if irritation persists.

Ingestion: Do not induce vomiting. Consult physician immediately.

Eye contact: Flush eyes with large quantities of water. Check for and remove contact lenses. Consult physician if irritation persists.

Most important symptoms and effects, both acute and delayed:

Skin contact: May cause allergic skin reaction. May cause skin irritation which may result in redness and dry skin. Dust may cause some mild irritation.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhea and vomiting. May be irritating to mouth, throat and stomach.

Eye contact: Causes eye irritation which can cause redness, eye-tearing and discomfort. Dust may cause some mild irritation.

Inhalation: No known significant effects or critical hazards. Dust may cause some mild irritation.

Protection of First-Aiders: No action shall be taken involving any personal risk or without suitable training. May be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Notes to physician: Treat symptomatically and supportively. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5- Firefighting Measures

Extinguishing Media: Use media suitable for surrounding materials; Foam, Dry Chemical, Carbon Dioxide. Water spray may be ineffective. If water is used, fog nozzles are preferable.

Unsuitable Extinguishing Media: Not known

Hazardous Combustion Products: May include the following: Carbon oxides, Metal oxides

Special firefighting procedures: Remain upwind. Avoid breathing smoke. Exposed firefighters must wear NIOSH-approved positive pressure self-contained apparatus with full-face mask and full protective clothing. Do not inhale combustion gases.

Specific Hazards Arising from the chemical/mixture: Material can splatter above 1000C/2120F. Closed containers may explode when exposed to extreme heat (due to pressure increase). Water may be used to cool closed containers to prevent pressure increase and possible auto ignition or explosion when exposed to extreme heat.

Section 6- Accidental Release Measures

Personal precautions: Avoid eye contact. Remove possible ignition sources. Use in well ventilated area. Wash contacted skin as soon as possible after exposure. Do not eat, drink or smoke while cleaning up. Material may create slippery conditions. Minimize any non-essential personnel from spill area.

Methods and materials for cleanup and containment: Contain spills with inert material (sand, earth). Transfer separate suitable containers for recovery or disposal. Dispose of in accordance with Federal, State and local guidelines for handling nonhazardous waste.

Environmental precautions: Avoid release into the environment such as municipal sewers and open bodies of water.

Section 7- Handling and Storage

Precautions for safe handling: Avoid eye and skin contact. Do not ingest. Use appropriate personal protection equipment. Do not handle or use until all instructions and safety precautions have been read and understood. Use in well ventilated area. Wash contacted skin as soon as possible after exposure.

Keep away from children and pets. Do not eat, drink or smoke while using this product. Remove contaminated clothing.

Conditions for safe storage: Keep containers tightly closed when not in use. Stable under normal conditions but store between 400F and 900F away from direct sunlight. Keep away from foodstuffs or drinking water. Observe good housekeeping practices. Keep away from incompatible materials.

Section 8 - Personal Protective Equipment and Exposure Controls

Hazardous Component(s) with workplace control parameters:

Common Name/ C.A.S. Number	OSHA PEL	ACGIH TLV	NIOSH IDHL
Glass oxide 65997-17-3	TWA: 15 mg/m ³ (Total Dust) TWA: 5 mg/m ³ (Respirable) Particulates Not	***	***

Otherwise Regulated

Sodium Potassium Alumino Silicate (Nepheline Syenite) 37244-96-5	Total Dust: 15 mg/m3 Respirable: 5 mg/m3	10 mg/m3	Not established
Vinyl Acetate Homopolymer Solution Mixture	AIHA WEEL: Skin Sensitizer: TWA: 0.1 mg/m3 (8 hr)		
Titanium Dioxide 13463-67-7	15 mg/m3	10 mg/m3	5000 mg/m3
Distillates (Petroleum), Hydro treated Heavy Paraffinic 64742-52-5	TWA: 5 mg/m3	Inhalation: TWA: 5 mg/m3 STEL: 10mg/m3 (15 minutes)	***
Ethyl Hydroxyethyl Cellulose 9004-58-4	TWA: 10 mg/m3 (Total Dust) TWA: 5 mg/m3 (Respirable)	***	***

Unless otherwise noted, all PEL and TLV values are reported as 8-hour time weighted averages (TWA).

Component(s) without workplace control parameters:

<u>Common Name</u>	<u>C.A.S. No.</u>
Bicyclic Oxazolidines	Mixture
Chlorothalonil	1897-45-6

Engineering Measures: Use local exhaust ventilation or other engineering controls, if necessary, to maintain dust/vapour/mist/fumes/gas concentration(s) below recommended exposure limits.

Personal Protective Equipment:

Respiratory Protection: Avoid breathing of dust/vapour/mist/fumes/gas. Wear NIOSH-approved respiratory protection when working in enclosed areas.

Skin Protection:

Hand: Protective Gloves: Wear chemically resistant, impervious gloves to avoid skin contact.

Body: Protective equipment for body should be selected based on the task being performed and the risks involved. Safety shower accessibility.

Eye Protection: Eye protection in the form of protective glasses or goggles is recommended. Eyewash facility accessibility.

Hygiene Measures: Do not eat, drink or smoke when using this product. Wash hands and

contacted areas with soap and water before taking breaks and after completing work. Observe good industrial and personal hygiene practices. Remove and wash contaminated clothing prior to re-use.

Section 9- Physical/Chemical Characteristics

Physical State: Paste	Odor Threshold: Not determined
Appearance: White	Odor: Mild Acrylic
Vapor Pressure: >1 (mm Hg)	Flash Point: Not determined
Water Solubility: Partial	pH: 8.0 - 9.0
Vapor Density (Air =1): <1	Specific Gravity: 0.8 - 0.9 (water =1)
Evaporation Rate (Water =1): 1	Freezing Point: Not determined
Melting Point: Not determined	Relative Density: Not determined
Flammability (solid, gas): Not determined	
Autoignition Temperature: Not determined	
Decomposition Temperature: Not determined	
Flammable Limits: Lower: Not Available	Upper: Not Available
Partition coefficient: n-octanol/water: Not determined	
Initial Boiling Point and Boiling Range: Variable	
Percent Volatile: 25 % maximum	
Volatile Organic Compounds (V.O.C.): 0.62% by weight	

Section 10 – Stability and Reactivity

Chemical Stability: Stable (Avoid temperatures above 1770C/3500F)

Conditions to Avoid: Excessive heat and freezing temperatures

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Oxides of carbon, trace ammonia. Under normal conditions of storage and use, hazardous decomposition products should not occur.

Reactivity: Non-reactive when product is used in accordance with intended use.

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Hazardous Polymerization: Will not occur

Section 11 – Toxicological Information

NOTE: The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

Effects of Overexposure:

Oral: Not an expected route of exposure. Single dose oral toxicity is low. Amounts ingested incidentally due to industrial handling are not likely to cause injury; however, ingestion of large amounts may cause injury and nausea, gastrointestinal upset and pain.

Dermal: May cause an allergic skin reaction. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Inhalation: Inhalation may cause mild irritation to the respiratory tract (nose, mouth, mucous membranes). Prolonged, repeated, or high exposures may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

Eyes: May cause serious eye irritation which may result in but not exclusive to; watering, tearing, redness and pain.

Acute Health Hazards:

Oral: No data available on mixed product.

Dermal: No data available on mixed product.

Inhalation: No data available on mixed product.

Acute Health Hazards:**Ingredients:**

Common Name/ C.A.S. Number	Oral LD50	Dermal LD50	Inhalation LD50
Distillates (Petroleum), Hydro treated Heavy Paraffinic (Rat) 64742-52-5	>5000 mg/kg	***	***
Bicyclic Oxazolidines Mixture	1876 mg/kg (Rat-Female)	>2000 mg/kg (Rabbit)	***
Octylphenol Ethoxylate 9036-19-5	1900 mg/kg (Rat) Assessment: Moderately toxic after single ingestion.	>2000 mg/kg (Rabbit)	***
Acrylic Polymers Mixture	>5000 mg/kg (Rat-Male) Based on Similar materials	>2000 mg/kg (Rabbit) Based on Similar materials	>8.1 mg/m3 (Rat-Male and Female) Based on Similar materials

Chlorothalonil 1897-45-6	10000 mg/kg (Rat) 3700 mg/kg (Mouse)	>2500 mg/kg	310 mg/m ³ (Rat) 1 h LC: 0.10 mg/L
Glyoxal 107-22-2	200 mg/kg (Rat)	12,700 mg/kg (Rabbit)	2.44 mg/l (Rat) 4 hr

Chronic Health Hazards: Mixed product is not expected to have chronic health effects. However, prolonged, repeated, or high exposures may cause irritation to the respiratory tract (nose, mouth, mucous membranes). No data available on mixed product.

Sensitization (Respiratory/Skin): May cause an allergic skin reaction. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. No data available on mixed product.

Eye (Serious Damage/ Irritation): Causes serious eye irritation. No data available on mixed product.

Skin (Corrosion/Irritation): Not classified. May cause mild skin irritation. No data available on mixed product.

STOT-single Exposure: Not classified. May cause irritation (from dust) which can cause coughing, shortness of breath, discomfort in the chest and sneezing. No data available on mixed product.

STOT-repeated Exposure: Not classified. No data available on mixed product.

Germ Cell Mutagenicity: Not classified. No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity: Not classified. This product is not expected to cause reproductive or developmental effects. No data available on mixed product.

Aspiration Hazard: Not classified. No data available on mixed product.

Carcinogenicity: May cause cancer. No data available on mixed product.

Ingredients:

Chemical Name/ CAS Number	IARC	OSHA	ACGIH	NTP
Chlorothalonil 1897-45-6	Group 2B Monograph 73 [1999]	Not	Not Classified	Not Classified
Titanium Dioxide 13463-67-7	Group 2B Monograph 93[2010]	Present	Not Classified	Not Classified

IARC Classification: Group 1: Human Evidence Group 2A: Limited Human Data Group 2B: Sufficient Animal Data

Section 12 – Ecological Data

Ecotoxicity:

Not expected to be an environmental pollutant based on individual ingredients. There is no data available on the mixed product. Do not dispose of in any waterway, sanitary or industrial sewer system. It does not exclude the possibility that large and frequent spills can have a harmful or damaging effect on the environment.

Ecotoxicity of Ingredients:

Common Name/ C.A.S. Number	Toxicity to fish	Toxicity to Algae	Toxicity to daphnia/ other aquatic invertebrates
Bicyclic Oxazoladines 56709-13-8	*LC50: 153 mg/l (<i>Lepomis macrochirus</i> (Bluegill sunfish)): Exposure time: 96 h *LC50: 240 mg/l (<i>Oncorhynchus mykiss</i>) Rainbow trout Exposure time: 96 h	*EbC50: 8.2 mg/l (Green algae) End point: Biomass Exposure time: 72 h *ErC50: 13 mg/l (Green algae) End point: Growth inhibition Exposure time: 72 h	*EC50: 77 mg/l (<i>Daphnia magna</i> (Water flea)) Exposure time: 48 h
Chlorothalonil 1897-45-6	*LC50: 0.042 mg/l (<i>Oncorhynchus mykiss</i>) Rainbow trout, Donaldson trout) Exposure time: 96 h *LC50: 0.012 mg/l (<i>Oncorhynchus mykiss</i>) Rainbow trout Exposure time: 96 h Test Type: Semi-static test	*EC50: 0.57 mg/l (Algae, algal mat (<i>Algae</i>))	LC50: 0.081 - 0.113 mg/l (Water flea (<i>Daphnia magna</i>)) Exposure time: 48 h Test Type: Static test
Glyoxal 107-22-2	*LC50: 215 mg/l (<i>Pimephales promelas</i>) Exposure time: 96 hr Method: Static	*EC50: 500 mg/l <i>Desmodesmus</i> <i>subspicatus</i> Exposure time: 96 hr *EC50: 348.59 mg/l (<i>Pseudokirchneriella</i> <i>subcapitata</i>) Exposure time: 96 hr Method: Static	*EC50: 404 mg/L (<i>Daphnia magna</i>) Exposure time: 48 hr Method: Static
Titanium Dioxide 13463-67-7	*LC50: > 1000 mg/l (<i>Pimephales promelas</i>) Exposure Time: 96 hr; Method: Static, EPA-540/9-85-006 *Acute LC50 (96 h): > 100 mg/l (<i>Oncorhynchus mykiss</i>) Exposure Time: 96 hr; Fresh Method: Static, equivalent or similar to OECD 203	*EC50: 16 mg/l Algae: <i>Pseudokirchnerella subcapita</i> Fresh Exposure Time: 72 hr; Method: Static, EPA-600-9/78- 018; ASTM Annual Book of *EC50 (72 h): > 10000 mg/l Algae: <i>Skeletonema costatum</i> Exposure Time: 72 hr; Marine Method: ISO 10253	*LC50: > 100 mg/l (<i>Daphnia magna</i>) Fresh Exposure Time: 48 hr Method: Static, equivalent or similar to OECD 202 *LC50: > 10000 mg/l (<i>Acartia tonsa</i>) Exposure Time: 48 hr; Marine Method: (ISO 14669)

*LC50: > 10000 mg/l (<i>Cyprinodon variegatus</i>) Exposure Time: 96 hr; Fresh Method: Semi-static, OECD 203	*Microorganisms: NOEC: ≥ 100000 mg/kg <i>Hyalella azteca</i> Exposure Time: 28 day; Fresh Method: sediment dw (semi-static, ASTM 1706) *NOEC: ≥ 14989 mg/kg <i>Corophium volutator</i> Exposure Time: 10 day; Marine Method: sediment dw (semi-static, OSPARCOM guidelines (1995))	1999);ISO 5667-16 (1998))
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Ethyl Hydroxyethyl Cellulose 9004-58-4	*LC50: >100 mg/l (<i>Oncorhynchus mykiss</i>) Rainbow trout Exposure time: 96 h	***	*EC50: >100 mg/l (<i>Daphnia magna</i> (Water flea)) Exposure time: 48 h
Octylphenol Ethoxylate 9036-19-5	*LC50: 7.2 mg/l (<i>Oncorhynchus mykiss</i>) Rainbow trout Exposure time: 96 h	***	*EC50: 8.6 mg/l <i>Daphnia magna</i> Exposure time: 96h (Water flea) Exposure time: 48 hr

Persistence and Degradability: Not expected to be environmentally persistent. No data available on mixed product

Ingredients:

Bicyclic Oxazoladines (Mixture):

Biodegradation: 81 %
Exposure time: 28 d
Remarks: Readily biodegradable

Glass Oxide (65997-17-3):

This material is persistent but inert in aquatic systems. It will not bioconcentrate up the food chain.

Mobility: No data available on mixed product.

Ingredients:

<u>Common Name</u>	<u>C.A.S. No.</u>	<u>Partition Coefficient n-octanol/water</u>
Glyoxal	107-22-2	-0.85
Chlorothalonil	1897-45-6	3.05

Section 13 – Disposal Considerations

Disposal Information: Dispose of product and packaging in accordance with all local, state and federal laws and regulations. Waste product should not be discharged directly into drains or waterways without treatment. Wastewater containing product should be treated in a separation and biological treatment.

Section 14 – Transportation Information

Regulations:

	DOT Classification	IATA	IMDG
UN Number	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name	***	***	***
Transport Hazard Class(es)	***	***	***
Packing Group	***	***	***
Environmental Hazards	No	No	No
Additional Information	Not Applicable	Not Applicable	Not Applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable for product as supplied.

Special Precautions: No information available

Section 15 – Regulatory Information

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

<u>Chemical Name</u>	<u>CAS Number</u>
Vinyl Acetate	108-05-4
Ammonium Hydroxide	1336-21-6

SARA (Superfund Amendments and Reauthorization Act) TITLE III:

Section 302 Extremely Hazard Substances:

<u>Chemical Name</u>	<u>CAS Number</u>
Vinyl Acetate	108-05-4

Section 311/312 Hazards Category:

Acute Health	Yes
Chronic Health	Yes
Fire	No
Reactive	No
Sudden Release of Pressure	No

Section 313:

Chemical Name	CAS Number
Vinyl Acetate	108-05-4
Chlorothalonil	1897-45-6
Ammonium hydroxide	1336-21-6

RCRA: Discarded material is classified as a solid nonhazardous waste per 40 CFR 261.20-24.

California Proposition 65: This product contains chemical(s) known to the State of California to cause cancer or reproductive toxicity. The California Safe Drinking Water and Toxic Enforcement of 1986 requires that clear and reasonable warning be given prior to exposing any person to this chemical.

Chemical Name	CAS Number
Titanium Dioxide	13463-67-7
Chlorothalonil	1897-45-6

State Right-To-Know:

Chemical	CAS Number	State(s) _____
Vinyl Acetate	108-05-4	New Jersey, Massachusetts
Bicyclic Oxazolidines	Mixture	New Jersey, Pennsylvania
Chlorothalonil	1897-45-6	New Jersey, Pennsylvania
Distillates (Petroleum), Hydro treated Heavy Paraffinic	64742-52-5	New Jersey, Pennsylvania
Octylphenol Ethoxylate	9036-19-5	New Jersey, Pennsylvania
Titanium Dioxide	13463-67-7	New Jersey, Massachusetts, Pennsylvania
Ammonium hydroxide	1336-21-6	New Jersey, Massachusetts, Pennsylvania

Chemical Inventories:

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

DSL: All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

Section 16 – Other Information

HMIS: Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: B

NFPA: Health: 1 Flammability: 0 Reactivity: 0 Special: None

HMIS Classification and NFPA Rating:

0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme

Abbreviations:

< = Less Than > = Greater Than

Trace = is less than 0.01 % or 100 ppm

ADR/RID = Agreement on Dangerous Goods by Road/Regulations concerning the International Transport of Dangerous Goods by Rail **AICS** = Australian Inventory of Chemical Substances **ASTM** = **SAFETY**

American Society for the Testing of Materials **bw** = body weight **CAS Number** = Chemical Abstracts Service Registry **CERCLA** = Comprehensive Environmental Response, Compensation, and Liability Act **CMR** = Carcinogen, Mutagen or Reproductive Toxicant **DIN** = Standard of the German Institute for Standardisation **DOT** = Department of Transportation **DSL** = Domestic Substances List (Canada) **ECx** = Concentration associated with x% response **EHS** = Extremely Hazardous Substance **EINECS/ELINCS** = European Inventory of Existing Commercial Chemical Substances/European List of Notified Chemical Substances **ELx** = Loading rate associated with x% response **EmS** = Emergency Schedule **ENCS** = Existing and New Chemical Substances (Japan) **ErCx** = Concentration associated with x% growth rate response **ERG** = Emergency Response Guide **GHS** = Global Harmonization System **GLP** = Good Laboratory Practice **HMIS** = Hazardous Material Identification System **IARC** = The International Agency for Research on Cancer **IATA** = International Air Transportation Association **IBC** = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk **IC50** = Half maximal inhibitory concentration **ICAO** = International Civil Aviation Organization **IECSC** = Inventory of Existing Chemical Substances in China **IMDG** = International Maritime Dangerous Goods **IMO** = International Maritime Organization **ISHL** = Industrial Safety and Health Law (Japan) **ISO** = International Organisation for Standardisation **KECI** = Korea Existing Chemicals Inventory **LC50** = Lethal Concentration of 50% of a test population **LD50** = Lethal Dose of 50% of a test population (Median Lethal Dose) **MARPOL** = International Convention for the Prevention of Pollution from Ships **MSHA** = Mine Safety and Health Administration **n.o.s.** = Not Otherwise Specified **NFPA** = National Fire Protection Association **NIOSH** = National Institute for Occupational Safety and Health **NO(A)EC** = No Observed (Adverse) Effect Concentration **NO(A)EL** = No Observed (Adverse) Effect Level **NOELR** = No Observed (Adverse) Effect Loading Rate **NTP** = National Toxicology Program **NZIoC** = New Zealand Inventory of Chemicals **OECD** = Organization for Economic Co-operation and Development **OPPTS** = Office of Chemical Safety and Pollution Prevention **OSHA** = Occupational Safety and Health Administration **PBT** = Persistent, Bioaccumulative and Toxic Substances **PEL** = Permissible Exposure Limits **PICCS** = Philippines Inventory of Chemicals and Chemical Substances **PPM** = Parts Per Million **(Q)SAR** = (Quantitative) Structure Activity Relationship **RCRA** = Resource Conservation and Recovery Act **REACH** = Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals **RQ** = Reportable Quantity **SADT** = Self-Accelerating Decomposition Temperature **SARA** = Superfund Amendments and Reauthorization Act **SDS** = Safety Data Sheet **STEL** = Short Term Exposure Limits **TCSI** = Taiwan Chemical Substances Inventory **TLV** = Threshold Limit Value **TSCA** = Toxic Substances Control Act (United States) **TWA** = Time Weighted Average **UN** = United Nations **UNRTDG** = United Nations Recommendations on the Transport of Dangerous Goods **vPvB** = Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Safety Data Sheet:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS) (Rev.6) (2015)

http://www.unece.org/trans/danger/publi/ghs/ghs_rev06/06files_e.html

Occupational Safety and Health Administration (OSHA)

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=standards&p_id=10099

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