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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name

: JM CORBOND® oc SPF

Manufacturer or supplier's details

Company Address		Johns Manville P.O. Box 5108
Telephone Emergency telephone number	-	Denver, CO USA 80217-5108 +1-303-978-2000 24-Hour Number: +1-800-424-9300 (CHEMTREC)

Recommended use of the chemical and restrictions on use

Recommended use	:	thermal and/or acoustic insulation
Restrictions on use	:	For professional users only.
Prepared by	:	productsafety@jm.com

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200 Acute toxicity (Oral) : Category 4 Skin corrosion Category 1C : Serious eye damage Category 1 • **GHS** label elements Hazard pictograms Signal word Danger Hazard statements H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. Precautionary statements 2 **Prevention:** P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. **Response:** P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.



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	P304 + P340 + P310 IF INHALEE and keep comfortable for breathin CENTER/ doctor. P305 + P351 + P338 + P310 IF IN water for several minutes. Remov and easy to do. Continue rinsing. CENTER/ doctor. P363 Wash contaminated clothing	g. Immediately call a POISO NEYES: Rinse cautiously with e contact lenses, if present Immediately call a POISON
	Storage: P405 Store locked up.	
	Disposal:	
	P501 Dispose of contents/contain accordance with local, regional, n regulations.	
Other hazards		
None known.		

Chemical nature

Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
tris(2-chloro-1-methylethyl) phosphate	13674-84-5	>= 10 - < 30
4-Nonylphenol branched, ethoxylated	127087-87-0	>= 10 - < 30
aliphatic amine catalyst (trade secret)	trade secret	>= 1 - < 5
ethanol amine catalyst (trade secret)	trade secret	>= 1 - < 5
2-butyne-1,4-diol, polymer with 2-	68441-62-3	>= 1 - < 5
(chloromethyl)oxirane, brominated,		
dehydrochlorinated, methoxylated		

Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	 Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	 Remove to fresh air. If breathing has stopped, apply artificial respiration. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	 In case of contact, immediately flush skin with plenty of water for at least 30 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Destroy contaminated clothing and shoes.
In case of eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 30 minutes.



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If swallowed	 If easy to do, remove contact lens, if worn. Protect unharmed eye. Continue rinsing eyes during transport to hospital. Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Keep respiratory tract clear. 	
Most important symptoms and effects, both acute and delayed Protection of first-aiders	 Obtain medical attention. Harmful if swallowed. Causes serious eye damage. Causes severe burns. If potential for exposure exists re personal protective equipment. 	fer to Section 8 for specific

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Dry chemical Carbon dioxide (CO2) Foam
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Cool closed containers exposed to fire with water spray.
Hazardous combustion products	:	carbon oxides phosphorus oxides Hydrogen chloride gas phenol nitrogen oxides Bromine compounds hydrogen bromide Silicon oxides
Specific extinguishing methods	:	Standard procedure for chemical fires.
Further information Special protective equipment for firefighters	:	Use a water spray to cool fully closed containers. Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Immediately evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Use personal protective equipment.
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. The product should not be allowed to enter drains, water courses or the soil.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.



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SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Fire or intense heat may cause violent rupture of packages.
Advice on safe handling	:	Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8.
Conditions for safe storage	:	
Materials to avoid	:	polymerisation initiators
Recommended storage temperature	:	40 - 85 °F / 4 - 29 °C
Further information on storage stability	:	Keep containers dry and tightly closed to avoid moisture absorption and contamination. Do not freeze.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.,Johns Manville is a member of the Center for the Polyurethanes Industry (CPI) of the American Chemistry Council. For more information about safe work practices, see CPI's *Health and Safety Product Stewardship Workbook for High-Pressure Application of Spray Polyurethane Foam (SPF)* and other resources (some available in Spanish and French) at the following website hyperlinks: https://www.spraypolyurethane.org/resources/ and https://www.spraypolyurethane.org/additional-resources/.

Personal protective equipment

Respiratory protection	:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Material	:	Protective gloves
Remarks Eye protection	:	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, and the contact time. Wear safety glasses with side shields or goggles.
	•	wear sarely glasses with side sillelus of goggles.



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	Wear a faceshield or other full face potential for direct contact to the fac aerosols. Remove respiratory and skin/eye p vapours have been cleared from th	ce with dusts, mists, or rotection only after
Skin and body protection	: Wear protective clothing, such as lo pants. Full protective suit	ong-sleeved shirts and
	Choose body protection according concentration of the dangerous sub Remove and wash contaminated cl	stance at the work place.
Hygiene measures	 Handle in accordance with good inc practice. When using do not eat or drink. When using do not smoke. 	dustrial hygiene and safety
	Wash hands before breaks and at t Written instructions for handling mu place.	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Colour Odour Odour Threshold	:	viscous liquid amber amine-like No data available
pH Melting point/freezing point Initial boiling point and boiling range	:	No data available No data available No data available
Flash point	:	> 93.4 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity		
Viscosity, dynamic	:	300 mPa.s (25 °C)
Viscosity, kinematic	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

: No dangerous reaction known under conditions of normal use.



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Chemical stability : Possibility of hazardous : reactions	Stable under normal conditions. Contact with isocyanates will cause po Stable under recommended storage co	
Conditions to avoid :	Protect from frost, heat and sunlight.	
Incompatible materials :	Exposure to moisture : Strong oxidizing agents	
	isocyanates	
Hazardous decomposition : products	Hazardous decomposition products for conditions.	med under fire

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Product:	
Acute oral toxicity	: Acute toxicity estimate : 1,549 mg/kg Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate : > 2,000 mg/kg Method: Calculation method
Components:	
tris(2-chloro-1-methylethyl) p Acute oral toxicity	hosphate: : LD50 (Rat, female): ca. 707 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	 LC50 (Rat, male and female): > 7 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity Remarks: No mortality was observed.
Acute dermal toxicity	: LD50 (Rabbit, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402
4-Nonylphenol branched, eth Acute oral toxicity	oxylated: : LD50 (Rabbit, male and female): 657.2 mg/kg
Acute inhalation toxicity	: Assessment: The substance or mixture has no acute inhalation toxicity
aliphatic amine catalyst (trade	e secret):
Acute oral toxicity	: LD50 (Rat, male and female): 1,250 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	: LD50 (Rabbit, male): 370 mg/kg Method: OECD Test Guideline 402
ethanol amine catalyst (trade Acute oral toxicity	 secret): LD50 (Rat, female): ca. 2,150 mg/kg Method: OECD Test Guideline 401



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Acute inhalation toxicity	: LC50 (Rat, male and female): 0.392 Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403 Assessment: The substance or mixtuinhalation toxicity	-
Acute dermal toxicity	: LD50 (Rabbit, male): 1,663 mg/kg Method: OECD Test Guideline 402	
2-butyne-1,4-diol, polyme methoxylated:	r with 2-(chloromethyl)oxirane, brominat	ed, dehydrochlorinated,
Acute oral toxicity	: LD50 (Rat, male): 1,337 mg/kg Method: OECD Test Guideline 401	
Acute inhalation toxicity	 LC50 (Rat, male and female): 5.47 r Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixto inhalation toxicity Remarks: No mortality was observed 	ure has no acute

Skin corrosion/irritation

Components:

aliphatic amine catalyst (trade secret): Species: Rabbit Method: OECD Test Guideline 404 Result: Corrosive after 3 minutes to 1 hour of exposure Remarks: Based on data from similar materials

Skin corrosion/irritation

ethanol amine catalyst (trade secret): Species: Rabbit Method: OECD Test Guideline 404 Result: Corrosive after 1 to 4 hours of exposure

Serious eye damage/eye irritation

Components:

4-Nonylphenol branched, ethoxylated: Species: Rabbit Result: irritating

Serious eye damage/eye irritation

aliphatic amine catalyst (trade secret): Result: Corrosive

Serious eye damage/eye irritation

ethanol amine catalyst (trade secret): Species: Rabbit Result: Corrosive



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Method: OECD Test Guideline 405				
Serious eye damage/eye irrit	ation			
	ith 2-(chloromethyl)oxirane, bromina	ted, dehydrochlorinated,		
IARC	No component of this product present equal to 0.1% is identified as probable human carcinogen by IARC.			
OSHA	No component of this product present equal to 0.1% is identified as a carcino carcinogen by OSHA (29 CFR 1910 S Hazardous Substances).	ogen or potential		
NTP	No component of this product present equal to 0.1% is identified as a known by NTP.			

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	
Components:	

tris(2-chloro-1-methylethyl) phosphate:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 51 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 131 mg/l End point: Immobilization Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae/aquatic plants	:	ErC50 (Pseudokirchneriella subcapitata (green algae)): 82 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes Remarks: No toxicity at the limit of solubility
Toxicity to fish (Chronic toxicity)	:	NOEC: 5.2 mg/l Remarks: The value is given based on a SAR/AAR approach



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		using OECD Toolbox, DEREK, (CAESAR models), etc.	VEGA QSAR models
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia magna (Water End point: mortality Exposure time: 21 d Test Type: semi-static test Method: OECD Test Guideline 2 GLP: yes	
Toxicity to microorganisms	:	IC50 (activated sludge): 784 mg End point: Growth rate Exposure time: 3 h Test Type: Growth inhibition Method: ISO 8192 GLP: yes	J/I
Toxicity to soil dwelling organisms	:	LC50 (Eisenia fetida (earthworm Exposure time: 14 d Method: OECD Test Guideline 2 GLP: no	
4-Nonylphenol branched, et	hox	vlated:	
Toxicity to fish	:	LC50 (Lepomis macrochirus (Bl End point: mortality Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 2 Remarks: The value is given ba using OECD Toolbox, DEREK, Y (CAESAR models), etc.	203 sed on a SAR/AAR approach
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water f End point: Immobilization Exposure time: 48 h Test Type: static test Remarks: The value is given ba using OECD Toolbox, DEREK, Y (CAESAR models), etc.	sed on a SAR/AAR approach
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicat mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Remarks: The value is given bat using OECD Toolbox, DEREK, v (CAESAR models), etc.	sed on a SAR/AAR approach
aliphatic amine catalyst (tra	de 4	secret).	
Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): End point: mortality Exposure time: 96 h Test Type: static test	21.4 mg/l



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		Method: DIN 38412 GLP: yes	
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 5 End point: Immobilization Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes	50.3 mg/l
Toxicity to algae/aquatic plants	:	EC50 (Raphidocelis subcapitata (fresh mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Method: DIN 38412 GLP: yes	water green alga)): 7.9
Toxicity to microorganisms	:	EC50 (activated sludge): > 1,000 mg/l End point: Respiratory function Exposure time: 3 h Test Type: static test Analytical monitoring: no Method: OECD Test Guideline 209 GLP: yes	
ethanol amine catalyst (trade	e se	ecret):	
Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): End point: mortality Exposure time: 96 h Test Type: static test Analytical monitoring: no Test substance: Neutralised product Method: DIN 38412 GLP: no	> 464 mg/l
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > End point: Immobilization Exposure time: 48 h Test Type: static test Analytical monitoring: yes Test substance: Non neutralised produ Method: OECD Test Guideline 202 GLP: yes	
Toxicity to algae/aquatic plants	:	EC50 (Raphidocelis subcapitata (fresh mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Test substance: Non neutralised produ	
		Method: OECD Test Guideline 201 GLP: yes	



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End point: Respiratory function Exposure time: 3 h Test Type: static test Analytical monitoring: no Method: OECD Test Guideline 209 GLP: yes	9
ility	
ethoxylated:	
: Result: Readily biodegradable.	
l) phosphate:	
: log Pow: 2.68	
ethoxylated:	
: log Pow: 5.669 (77 °F / 25 °C) pH: 7.5 Method: OECD Test Guideline 11	7
ade secret):	
: log Pow: 0.214 (71.1 °F / 21.7 °C) pH: 11.5 Method: OECD Test Guideline 10	
ide secret):	
-	7
with 2-(chloromethyl)oxirane, bromin	nated, dehydrochlorinated,
: log Pow: -0.3 - 3.3 (77 °F / 25 °C) pH: 7	
Method: OECD Test Guideline 11	7
 Regulation: 40 CFR Protection of Protection of Stratospheric Ozone Substances Remarks: This product neither cor manufactured with a Class I or Class 	e - CAA Section 602 Class I ntains, nor was
	Exposure time: 3 h Test Type: static test Analytical monitoring: no Method: OECD Test Guideline 20 GLP: yes ility ethoxylated: : Result: Readily biodegradable. I) phosphate: : log Pow: 2.68 ethoxylated: : log Pow: 5.669 (77 °F / 25 °C) pH: 7.5 Method: OECD Test Guideline 11 rade secret): : log Pow: 0.214 (71.1 °F / 21.7 °C) pH: 11.5 Method: OECD Test Guideline 10 rade secret): : log Pow: -0.778 (68 °F / 20 °C) Method: OECD Test Guideline 10 rowth 2-(chloromethyl)oxirane, bromin : log Pow: -0.3 - 3.3 (77 °F / 25 °C) pH: 7 Method: OECD Test Guideline 11 : log Pow: -0.3 - 3.3 (77 °F / 25 °C) pH: 7 Method: OECD Test Guideline 11 : log Pow: -0.3 - 3.3 (77 °F / 25 °C) pH: 7 Method: OECD Test Guideline 11



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		U.S. Clean Air Act Section 602 (40 CFF B).	R 82, Subpt. A, App.A +
Additional ecological information	:	Harmful to aquatic life with long lasting	effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

Land transport USDOT: Not classified as a dangerous good under transport regulations TDG: Not classified as a dangerous good under transport regulations

Sea transport IMDG: Not classified as a dangerous good under transport regulations

Air transport IATA/ICAO: Not classified as a dangerous good under transport regulations

SECTION 15. REGULATORY INFORMATION

TSCA list TSCA - 5(a) Significant New Use Rule List of Chemicals	:	No substances are subject to a Significant New Use Rule.
U.S. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpart D)	:	No substances are subject to TSCA 12(b) export notification requirements.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
ethylene oxide	75-21-8	10	> 50000

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)



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ethylene oxide	75-21-8	10	> 50000	
SARA 311/312 Hazards	: Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation			
SARA 302	: This material does not contain any components with a section 302 EHS TPQ.			
SARA 313	known CAS number	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.		

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

California Prop. 65

WARNING: This product can expose you to chemicals including ethylene oxide, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The components of this product are reported in the following inventories:

TSCA

: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

SECTION 16. OTHER INFORMATION

Further information

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Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; 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; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport 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



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Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable 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; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS -Philippines Inventory of Chemicals and Chemical Substances; (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; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.