

SAFETY DATA SHEET

PREVENTOL ON EXTRA PRESERVATIVE SOLUTION



Version	Revision Date:	SDS Number:	Date of last issue: 12/10/2020
2.0	02/20/2024	203000003486	Country / Language: US / EN

SECTION 1. IDENTIFICATION

Product name : PREVENTOL ON EXTRA PRESERVATIVE SOLUTION

Product code : 000000000056243252

EPA registration number : 39967-23

Manufacturer or supplier's details

Company : LANXESS Corporation
Product Safety & Regulatory Affairs
111 RIDC Park West Drive
Pittsburgh, Pennsylvania 15275-1112

Responsible Department : (800) LANXESS
(412) 809-1000
lanxesshes@lanxess.com

Emergency telephone : CHEMTREC (800) 424-9300 or
(703) 527-3887 (Outside U.S.A) and mention CCN12916.
Lanxess Emergency Phone (800) 410-3063.

Recommended use of the chemical and restrictions on use

Recommended use : Biocide for industrial application

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion : Category 1A

Serious eye damage : Category 1

Carcinogenicity : Category 2

Specific target organ toxicity : Category 1 (Respiratory Tract)
- single exposure (Inhalation)

GHS label elements

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Hazard pictograms

:



Signal Word

:

Danger

Hazard Statements

:

Causes severe skin burns and eye damage.
Suspected of causing cancer.
Causes damage to organs (Respiratory Tract) if inhaled.

Precautionary Statements

:

Prevention:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe mist or vapors.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
IF exposed: Call a POISON CENTER or doctor/ physician.
Wash contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

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Chemical name	CAS-No.	Concentration (% w/w)
Sodium o-phenylphenolate	132-27-4	$\geq 20 - < 30$

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

- If inhaled : Get medical attention immediately.
Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If unconscious, place in recovery position and get medical attention immediately.
Maintain open airway.
Loosen tight clothing such as a collar, tie, belt or waistband.
If not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration, or oxygen by a trained professional, using a pocket type respirator.
- In case of skin contact : Get medical attention immediately.
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Continue to rinse for 30 minutes.
Chemical burns must be treated promptly by a physician.
Wash contaminated clothing before reuse.
- In case of eye contact : Get medical attention immediately.
In case of contact, flush eyes with plenty of water for at least 30 minutes. Use fingers to ensure that eyelids are separated and that the eye is being irrigated.
Remove contact lenses, if present and easy to do. Continue rinsing.
Chemical burns must be treated promptly by a physician.
- If swallowed : Rinse mouth with water.
Do not induce vomiting unless directed to do by medical personnel.
Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

- Symptoms : Eye: Corrosive with symptoms of reddening, tearing, swelling, burning and possible permanent damage.
Skin: Reddening, burning, and possible permanent damage.
Inhalation: Causes respiratory tract burns.
Burns to the respiratory tract can cause swelling that could require a tracheotomy. Pulmonary edema may be delayed for several hours up to several days. Many hydrofluoric acid fatalities have been due to severe pulmonary edema. Toxic

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- effects can also include depletion of calcium in the body, which can result in death if not treated.
Adverse symptoms sometimes include the following:
carcinogenic effects
- Effects : Causes serious eye damage.
Suspected of causing cancer.
Causes damage to organs if inhaled.
Causes severe burns.
- Protection of first-aiders : If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.
Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
- Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : In case of fire, use water spray (fog), foam or dry chemical.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : In a fire or if heated, a pressure increase will occur and the container may burst.
Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.
Water runoff from fire fighting may be corrosive.
- Hazardous combustion products : Carbon dioxide (CO₂)
Carbon monoxide
Metal oxides
- Further information : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.
No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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- Personal precautions, protective equipment and emergency procedures : No action shall be taken involving any personal risk or without suitable training.
Put on appropriate personal protection equipment.
Do not touch or walk through spilled material.
Evacuate unnecessary personnel.
Keep unnecessary and unprotected personnel from entering.
Provide adequate ventilation.
Do not breathe vapors, aerosols.
- Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so.
Move containers from spill area.
Keep people away from and upwind of spill/leak.
Wash spillages into an effluent treatment plant or proceed as follows.
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Dispose of wastes in an approved waste disposal facility.
Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Remove contaminated clothing and protective equipment before entering eating areas.
Workers should wash hands and face before eating, drinking and smoking.
Put on appropriate personal protection equipment.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Avoid inhalation, ingestion and contact with skin and eyes.
Use only with adequate ventilation.
- Conditions for safe storage : Store in accordance with local regulations.
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.
Do not store near acids.
Keep containers sealed until ready for use.
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

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Do not store in unlabeled containers.
Use appropriate container to avoid environmental contamination.
Empty containers retain residue and can be dangerous.
Do not reuse container.

Recommended storage temperature : > 30 °F / > -1 °C

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

|| Contains no substances with occupational exposure limit values.

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protective equipment

Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
A NIOSH approved air purifying respirator with organic vapor cartridges and particulate prefilter can be used to minimize exposure.

Hand protection
Material : Polyvinyl chloride - PVC

Remarks : Permeation resistant gloves.

Eye protection : Tightly fitting safety goggles
Faceshield may be necessary in operations with splash potential but cannot be used in place of chemical safety goggles.

Skin and body protection : Chemical resistant apron
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
Appropriate techniques should be used to remove potentially contaminated clothing.
Wash contaminated clothing before reusing.
Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid

Color : red brown, to, brown

Odor : slight, aromatic

Odor Threshold : No data available

pH : 12.3
Concentration: 2 %

Melting point/range : 21 °F / -6 °C

Boiling point/boiling range : 210 °F / 99 °C
(1,013 hPa)

Flash point : > 212 °F / > 100 °C
Method: closed cup

Evaporation rate : No data available

Self-ignition : 709 °F / 376 °C
Autoignition temperature
The substance or mixture is not classified as self heating.

Burning number : 3 (68 °F / 20 °C)

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : 15.00124 mmHg (68 °F / 20 °C)

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	81.006696 mmHg (122 °F / 50 °C)
	104.258618 mmHg (131 °F / 55 °C)
Relative density	: No data available
Density	: 1.072 g/cm ³ (68 °F / 20 °C)
Bulk density	: 400 - 450 kg/m ³
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: > 932 °F / > 500 °C
	Not classified due to data which are conclusive although insufficient for classification.
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is chemically stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.

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Incompatible materials : Incompatible with acids.

Hazardous decomposition products : No decomposition if stored normally.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Eye contact
Skin contact
Ingestion

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Components:

Sodium o-phenylphenolate:

Acute oral toxicity : LD50 (Rat, female): 591 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 402
Remarks: Extrapolation according to Regulation (EC) No. 440/2008
Test results on an analogous product

Skin corrosion/irritation

Causes severe burns.

Product:

Result : Corrosive

Components:

Sodium o-phenylphenolate:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Causes severe burns.

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Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Result : Corrosive

Components:

Sodium o-phenylphenolate:

Species : Rabbit
Result : Risk of serious damage to eyes.
Method : OECD Test Guideline 405

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

Sodium o-phenylphenolate:

Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Did not cause sensitization on laboratory animals.

Germ cell mutagenicity

Not classified based on available information.

Components:

Sodium o-phenylphenolate:

Genotoxicity in vitro : Test system: Bacteria
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
Remarks: Test results on an analogous product

Test system: Mammalian-Animal
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
Remarks: Test results on an analogous product

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Genotoxicity in vivo : Species: Mouse (male)
Application Route: Oral
Method: OECD 489
Result: negative
Remarks: Test results on an analogous product

Test Type: Micronucleus test
Species: Rat (male)
Application Route: Oral
Method: OECD Test Guideline 474
Result: negative
Remarks: Test results on an analogous product

Carcinogenicity

Suspected of causing cancer.

Components:

Sodium o-phenylphenolate:

Species : Rat, male
Application Route : Oral
Exposure time : 2 Years
Dose : 200 mg/kg body weight
Method : OECD Test Guideline 453
Result : negative
Remarks : Test results on an analogous product

Species : Rat, female
Application Route : Oral
Exposure time : 2 Years
Dose : ≥ 647 mg/kg body weight
Method : OECD Test Guideline 453
Result : negative
Remarks : Test results on an analogous product

IARC Group 2B: Possibly carcinogenic to humans
Sodium o-phenylphenolate 132-27-4

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

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Components:

Sodium o-phenylphenolate:

Effects on fertility : Species: Rat, male and female
Application Route: Oral
Duration of Single Treatment: 25 Weeks
Fertility: NOAEL: ≥ 500 mg/kg body weight
Method: OECD Test Guideline 416
Result: No effects on fertility and early embryonic development were detected.
GLP: Yes
Remarks: Test results on an analogous product

Effects on fetal development : Species: Rat
Application Route: Oral
Duration of Single Treatment: 28 Days
Developmental Toxicity: NOAEL: 250 mg/kg body weight
Method: OECD Test Guideline 414
Remarks: Test results on an analogous product

STOT-single exposure

Causes damage to organs (Respiratory Tract) if inhaled.

Product:

Routes of exposure : Inhalation
Target Organs : Respiratory Tract
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Sodium o-phenylphenolate:

Species : Rat, male and female
NOAEL : ≥ 300 mg/kg
Application Route : Oral
Exposure time : 2 yr
Number of exposures : daily
Method : OECD Test Guideline 453
Remarks : Test results on an analogous product

Species : Rat, male and female
: ≥ 1000 mg/kg

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Application Route	:	Dermal
Exposure time	:	21 Days
Number of exposures	:	5 days/week
Method	:	OECD Test Guideline 410
Remarks	:	Test results on an analogous product

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Sodium o-phenylphenolate:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 2.6 mg/l Exposure time: 96 h Method: OPPTS 850.1075 Remarks: Fresh water
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 2.7 mg/l Exposure time: 48 h Method: ASTM E729 Remarks: Fresh water Test results on an analogous product
Toxicity to algae/aquatic plants	:	ErC50 (Pseudokirchneriella subcapitata (microalgae)): 3.57 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Fresh water Test results on an analogous product NOEC (Pseudokirchneriella subcapitata (microalgae)): 0.468 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Fresh water Test results on an analogous product
Toxicity to fish (Chronic toxicity)	:	NOEC (Pimephales promelas (fathead minnow)): 0.036 mg/l Exposure time: 21 Days Remarks: Fresh water Test results on an analogous product
Toxicity to daphnia and other	:	NOEC (Daphnia magna (Water flea)): 0.006 mg/l

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aquatic invertebrates (Chronic toxicity)

Exposure time: 21 Days
Method: OECD Test Guideline 211
Remarks: Fresh water
Test results on an analogous product

Toxicity to microorganisms

: EC10 (activated sludge): 31 mg/l
Exposure time: 3 h
Method: ISO 8192
Remarks: Test results on an analogous product

Persistence and degradability

Components:

Sodium o-phenylphenolate:

Biodegradability : aerobic
Result: Readily biodegradable.
Biodegradation: 70.8 - 75.7 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
Remarks: Test results on an analogous product

Bioaccumulative potential

Components:

Sodium o-phenylphenolate:

Partition coefficient: n-octanol/water : log Pow: 3.18
Method: OECD Test Guideline 107
Remarks: Test results on an analogous product

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource Conservation and Recovery Authorization Act : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

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Waste from residues : The generation of waste should be avoided or minimized wherever possible.
This material and its container must be disposed of in a safe way.
Empty containers retain product residue; observe all precautions for product.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No.	: UN 3267
Proper shipping name	: Corrosive liquid, basic, organic, n.o.s. (SODIUM 2-BIPHENYLATE)
Class	: 8
Packing group	: II
Labels	: 8



Packing instruction (cargo aircraft)	: 855 : 30.00 L
Packing instruction (passenger aircraft)	: 851 : 1.00 L
Environmentally hazardous	: yes



IMDG-Code

UN number	: UN 3267
Proper shipping name	: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (SODIUM 2-BIPHENYLATE)
Class	: 8
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EmS Code : F-A, S-B
Marine pollutant : yes



Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number : UN 3267
Proper shipping name : Corrosive liquid, basic, organic, n.o.s.
(SODIUM 2-BIPHENYLATE)
Class : 8
Packing group : II
Labels : 8
:



ERG Code : 153
Marine pollutant : yes(SODIUM 2-BIPHENYLATE)



Hazard and Handling Notes.

Corrosive.

Environmentally hazardous substance.

Keep away from foodstuffs, acids and alkalis

The U.S. DOT regulations in Appendix B to 49 CFR § 172.101, paragraph 4 permit this material to ship as marine pollutant.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet.

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Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Carcinogenicity
Specific target organ toxicity (single or repeated exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Sodium o-phenylphenolate	132-27-4	>= 20 - < 30 %
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US State Regulations

Massachusetts Right To Know

Sodium o-phenylphenolate	132-27-4	20 - 30
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Pennsylvania Right To Know

water	7732-18-5	70 - 80
Sodium o-phenylphenolate	132-27-4	20 - 30

California Prop. 65

WARNING: This product can expose you to chemicals including Sodium o-phenylphenolate, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

TSCA inventory

TSCA : This product is regulated under the United States Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

FIFRA information

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EPA registration number : 39967-23

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:

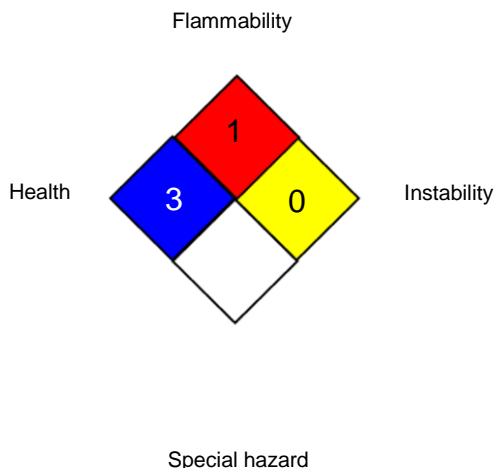
Signal Word : DANGER

Hazard Statements : Corrosive Harmful if swallowed or absorbed through skin.
Causes irreversible eye damage and skin burns.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	*	4
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good La-

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boratory 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 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

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The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. 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 to be a guidance for processing and does not contain any 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. It is the responsibility of the recipient of the product to ensure that any proprietary rights and existing laws and legislation are observed.

Relevant changes from the previous version are marked on the left side of the Safety Data Sheet with a black double bar in appropriate places.