

# SAFETY DATA SHEET



## EXCELSIOR PR 930

Version 0.0      Revision Date: 02/08/2024      SDS Number: F000005815      Date of last issue: -  
Date of first issue: 02/08/2024

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### SECTION 1. IDENTIFICATION

Product name : EXCELSIOR PR 930

#### Manufacturer or supplier's details

Company name of supplier : RHC  
Address : 1602 N Union Street  
Fostoria, OH 44830-1158  
Telephone : (866) 353-9261  
Emergency telephone : (CHEMTREC): (800) 424-9300 (CHEMTREC International):  
(703) 527-3887 Industrial Health/Spill Emergency: (706) 277-  
1300 Danny Welch (ehs@trcc.com)

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### SECTION 2. HAZARDS IDENTIFICATION

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

Flammable liquids : Category 4

Eye irritation : Category 2A

#### GHS label elements

Hazard pictograms : 

Signal Word : Warning

Hazard Statements : H227 Combustible liquid.  
H319 Causes serious eye irritation.

Precautionary Statements : P102 Keep out of reach of children.  
P103 Read label before use.

#### Prevention:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces.  
No smoking.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.

#### Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

#### Storage:

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P403 + P235 Store in a well-ventilated place. Keep cool.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Components

Chemical name	CAS-No.	Concentration (% w/w)
benzyl alcohol	100-51-6	$\geq 10 - < 20$
Dowanol EPH	122-99-6	$\geq 1 - < 5$

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this material safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Induce vomiting immediately and call a physician.  
Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Causes serious eye irritation.  
May be harmful if swallowed.  
Causes serious eye irritation.
- Notes to physician : Treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : No hazardous combustion products are known

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Further information : For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental precautions : Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : 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).  
Keep in suitable, closed containers for disposal.

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### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Keep away from open flames, hot surfaces and sources of ignition.

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapors/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : No smoking.  
Keep in a well-ventilated place.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Do not freeze.  
Keep away from food and drink.  
Keep away from tobacco products.

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

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ingredients with workplace control parameters**

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Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
benzyl alcohol	100-51-6	TWA	10 ppm	US WEEL

**Engineering measures** : Handle only in a place equipped with local exhaust (or other appropriate exhaust).  
Maintain air concentrations below occupational exposure standards.

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures : Avoid contact with skin.  
When using do not eat, drink or smoke.  
Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing  
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : clear

Odor : characteristic

pH : No data available

Melting point/range : No data available

Boiling point/boiling range : 212 °F / 100 °C

Flash point : 176 °F / 80 °C

Upper explosion limit / Upper flammability limit : No data available

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Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : similar to water

Relative density : similar to water

Density : 970 kg/m<sup>3</sup>

Solubility(ies)  
Water solubility : completely soluble

Solubility in other solvents : not determined

Partition coefficient: n-octanol/water : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.  
Vapors may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Not applicable

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: 3,520 mg/kg  
Method: Calculation method

Acute toxicity estimate: 3,520 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 10 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute toxicity estimate: 37.76 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg

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Method: Calculation method

Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

### Components:

#### **benzyl alcohol:**

Acute inhalation toxicity : LC50 (Rat): > 4.178 mg/l  
Test atmosphere: vapor

LC50 (Rat): > 4.178 mg/l  
Exposure time: 4 h

LC50 (Rat): > 5,400 mg/m<sup>3</sup>  
Exposure time: 4 h  
Test atmosphere: Aerosol  
GLP: yes

#### **Dowanol EPH:**

Acute oral toxicity : LD50 (Mouse): 16,500 mg/kg

LD50 (Rat): 5,535 mg/kg  
GLP: no

Acute inhalation toxicity : LC50 (Rat): > 1,000 mg/m<sup>3</sup>  
Test atmosphere: Aerosol  
GLP: yes

Acute dermal toxicity : LD50 (Rat): 14,391 mg/kg  
GLP: no

LD50 (Guinea pig): > 22,180 mg/kg

### **Skin corrosion/irritation**

Not classified based on available information.

### Product:

Remarks : May cause skin irritation in susceptible persons.

### Components:

#### **benzyl alcohol:**

Species : Rabbit  
Exposure time : 2 - 7 d  
Assessment : Not irritant  
Method : in vivo

#### **Dowanol EPH:**

Species : Rabbit  
Exposure time : 24 h

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Assessment : Not irritant  
Method : in vivo  
GLP : no

### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Product:

Remarks : May cause irreversible eye damage.

#### Components:

##### benzyl alcohol:

Species : Rabbit  
Exposure time : 1 - 168 h  
Assessment : Moderately irritating  
Method : in vivo  
GLP : No data available

##### Dowanol EPH:

Species : Rabbit  
Exposure time : 24 - 72 h  
Assessment : irritating  
Method : in vivo  
GLP : no

### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

#### Respiratory sensitization

Not classified based on available information.

#### Product:

Remarks : This information is not available.

#### Components:

##### benzyl alcohol:

Test Type : Skin sensitization:  
Species : Guinea pig  
Method : in vivo  
Result : Non sensitising  
GLP : No data available

##### Dowanol EPH:

Test Type : Skin sensitization:  
Species : Guinea pig  
Method : in vivo

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Result : Non sensitising  
GLP : yes

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**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.

### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

Not classified based on available information.

### Repeated dose toxicity

#### Components:

#### benzyl alcohol:

Species : Rat, male and female  
NOAEL : 1,072 mg/m<sup>3</sup>  
Application Route : Inhalation  
Method : Aerosol  
GLP : yes

Species : Rat, male and female  
NOAEL : 500 mg/kg  
Application Route : Oral  
Exposure time : 16 d  
Method : Gavage  
GLP : yes

#### Dowanol EPH:

Species : Rat, male and female  
LOAEL : 246 mg/m<sup>3</sup>  
Application Route : Inhalation  
Method : Aerosol  
GLP : yes

Species : Rabbit, male and female  
NOAEL : 2,000 mg/kg



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Application Route : Dermal  
Exposure time : 14 d  
Method : Occlusive  
GLP : yes

Species : Mouse, male and female  
LOAEL : 5,000 mg/kg  
Application Route : Oral  
Exposure time : 14 d  
Method : Diet  
GLP : yes

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks : No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available

#### Components:

##### benzyl alcohol:

Toxicity to fish : LC50 (Non-standard test species): 460 mg/l  
Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): 770 mg/l  
Exposure time: 48 h  
Method: static test

LC50 (Pimephales promelas (fathead minnow)): 460 mg/l  
Exposure time: 96 h  
Method: static test

LC50 (Pimephales promelas (fathead minnow)): 460 mg/l  
Exposure time: 96 h  
Analytical monitoring: Analytical monitoring: no  
Method: static test

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GLP: no

LC50 (Pimephales promelas (fathead minnow)): 770 mg/l  
Exposure time: 48 h  
Analytical monitoring: Analytical monitoring: no  
Method: static test  
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 230 mg/l  
Exposure time: 48 h

EC50 (Tetrahymena pyriformis): 853,470 µg/l  
Exposure time: 48 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50 (Daphnia magna (Water flea)): 66 mg/l  
Exposure time: 21 d  
Analytical monitoring: Analytical monitoring: no data  
Method: semi-static test  
GLP: yes

NOAEL (No observed adverse effect level) (Daphnia magna (Water flea)): 51 mg/l  
Exposure time: 21 d  
Analytical monitoring: Analytical monitoring: no data  
Method: semi-static test  
GLP: yes

### **Dowanol EPH:**

Toxicity to fish : LC50 (Rasbora heteromorpha (Harlequin fish)): 135 mg/l  
Exposure time: 48 h  
Method: Renewal

LC50 (Pimephales promelas (fathead minnow)): 337 - 352 mg/l  
Exposure time: 96 h  
Method: flow-through test

LC50 (Pimephales promelas (fathead minnow)): 344 mg/l  
Exposure time: 96 h  
Method: Acute toxicity

LC50 (Pimephales promelas (fathead minnow)): 478 mg/l  
Exposure time: 96 h  
Analytical monitoring: Analytical monitoring: no  
Method: static test  
GLP: No data available

LC50 (Ptychocheilus oregonensis): 135 mg/l  
Exposure time: 48 h  
Analytical monitoring: Analytical monitoring: no  
Method: semi-static test  
GLP: no

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Toxicity to daphnia and other aquatic invertebrates : LC50 (Chaetogammarus marinus): 357 mg/l  
Exposure time: 96 h  
Analytical monitoring: Analytical monitoring: no  
GLP: no

LC50 (Chaetogammarus marinus): 914 mg/l  
Exposure time: 48 h  
Analytical monitoring: Analytical monitoring: no  
GLP: no

Toxicity to fish (Chronic toxicity) : LC50 (Danio rerio (zebra fish)): 461.5 - 521.6 mg/l  
Exposure time: 6 d  
Analytical monitoring: Analytical monitoring: no  
Method: semi-static test

NOAEL (No observed adverse effect level) (Pimephales promelas (fathead minnow)): > 220 mg/l  
Exposure time: 8 d  
Analytical monitoring: Analytical monitoring: yes  
Method: flow-through test

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOAEL (No observed adverse effect level) (Daphnia magna (Water flea)): 49.2 mg/l  
Exposure time: 21 d  
Analytical monitoring: Analytical monitoring: yes  
Method: semi-static test  
GLP: yes

### Persistence and degradability

#### Components:

#### **benzyl alcohol:**

Biodegradability : Concentration: 20 mg/l  
Biodegradation: 97 %  
Exposure time: 21 d  
GLP: No data available

Biodegradation: 100 %  
GLP: no

Biodegradation: 85 %  
Exposure time: 5 d  
GLP: no

Biodegradation: 62 %  
Exposure time: 5 d  
GLP: no

Biodegradation: 94 %  
Exposure time: 4 d  
GLP: No data available

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Concentration: 2 mg/l  
Biodegradation: 95 %  
Exposure time: 28 d  
GLP: No data available

Concentration: 100 mg/l  
Biodegradation: 92 - 96 %  
Exposure time: 14 d  
GLP: No data available

Biodegradation: > 79 - < 85 %  
GLP: no

Biodegradation: 77 %  
Exposure time: 20 d  
GLP: no

Biodegradation: > 75 %  
Exposure time: 8 Weeks  
GLP: No data available

Concentration: 20 mg/l  
Biodegradation: 95 %  
Exposure time: 21 d  
GLP: No data available

Biodegradation: 89.2 %  
Exposure time: 5 d  
GLP: no

Biodegradation: > 90 %  
Exposure time: 30 d  
GLP: no

### **Dowanol EPH:**

Biodegradability

: Concentration: 430 mg/l  
Biodegradation: 61 %  
GLP: no

Concentration: 27 mg/l  
Biodegradation: 96 %  
GLP: yes

Concentration: 30 mg/l  
Biodegradation: 75 %  
GLP: yes

Concentration: 30 mg/l  
Biodegradation: 60 %  
GLP: yes

Concentration: 430 mg/l  
Biodegradation: 80 - 90 %

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Exposure time: 17 d  
GLP: no

Concentration: 20 mg/l  
Biodegradation: > 90 %  
GLP: yes

Concentration: 20 mg/l  
Biodegradation: 66 %  
GLP: no

Concentration: 20 mg/l  
Biodegradation: 61 %  
GLP: no

Concentration: 30 mg/l  
Biodegradation: 99 %  
GLP: yes

Concentration: 27 mg/l  
Biodegradation: > 70 %  
GLP: yes

Concentration: 20 mg/l  
Biodegradation: 98 %  
GLP: yes

Concentration: 30 mg/l  
Biodegradation: 90 %  
GLP: yes

Concentration: 430 mg/l  
Biodegradation: 99 %  
GLP: no

Biodegradation: 21.33 %  
Exposure time: 20 d  
GLP: no

### Bioaccumulative potential

#### Components:

##### **benzyl alcohol:**

Partition coefficient: n-octanol/water : log Pow: 1.10

##### **Dowanol EPH:**

Bioaccumulation : Bioconcentration factor (BCF): 4.5  
Bioconcentration factor (BCF): 0.35

Partition coefficient: n-octanol/water : log Pow: 1.16

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### Mobility in soil

No data available

### Other adverse effects

#### Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### **UNRTDG**

Not regulated as a dangerous good

#### **IATA-DGR**

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

### 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**

Not regulated as a dangerous good

#### **49 CFR**

Not regulated as a dangerous good

### Special precautions for user

Not applicable

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### SECTION 15. REGULATORY INFORMATION

#### CERCLA Reportable Quantity

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

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS 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** : Flammable (gases, aerosols, liquids, or solids)  
Serious eye damage or eye irritation

**SARA 313** : 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 neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

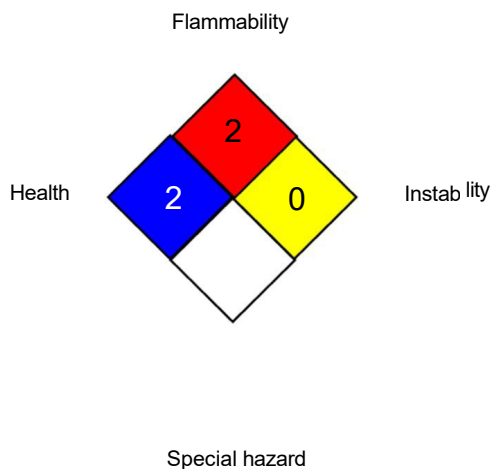
#### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA 704:



##### HMIS® IV:

HEALTH	/	2
FLAMMABILITY		2
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

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US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)  
US WEEL / TWA : 8-hr TWA

AIIIC - 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 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 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 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.

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