

# SAFETY DATA SHEET

## **ANGUS CHEMICAL COMPANY**

Product name: CORRGUARD® SI Corrosion Inhibitor Issue Date: 03/17/2017

Print Date: 12/04/2017

ANGUS CHEMICAL COMPANY encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name CORRGUARD® SI Corrosion Inhibitor

Manufacturer or supplier's details

Company name of supplier ANGUS CHEMICAL COMPANY

Address 1500 E. LAKE COOK ROAD

Buffalo Grove IL 60089-6553

**Customer Information** 

Number

+1-847-808-3711

E-mail address NAR\_CC@ANGUS.COM

**Emergency telephone** 

number

800-424-9300

#### Recommended use of the chemical and restrictions on use

Recommended use Metalworking corrosion inhibitor

For industrial use.

The ANGUS Chemical Company recommends that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact the Customer Information Group (see

Section 1 of this data sheet).

#### 2. HAZARDS IDENTIFICATION

#### **GHS Classification**

Not a hazardous substance or mixture.

## GHS Label elements, including precautionary statements

This product is not hazardous per the Globally Harmonized System of Classification and Labelling (GHS).

## Other hazards

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

#### Components

Chemical Name	CAS-No.	Concentration (% w/w)
Trade secret organic material (Trade secret)	Trade Secret	>= 88.0 %
1-Butoxy-2-propanol	5131-66-8	<= 6.0 %
Impurities	Not Assigned	<= 4.0 %
(None)	_	
Water	7732-18-5	<= 2.0 %

#### 4. FIRST AID MEASURES

If inhaled Move person to fresh air; if effects occur, consult a physician.

In case of skin contact Wash off with plenty of water.

In case of eye contact Flush eyes thoroughly with water for several minutes.

Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

If swallowed If swallowed, seek medical attention. Do not induce vomiting

unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and

delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical

attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11:

Toxicology Information.

personal protective equipment.

Notes to physician Treatment of exposure should be directed at the control of

symptoms and the clinical condition of the patient.

No specific antidote.

### 5. FIREFIGHTING MEASURES

Suitable extinguishing media Water fog or fine spray.

Carbon dioxide fire extinguishers. Dry chemical fire extinguishers.

Foam.

Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams

may function, but will be less effective.

Product name: CORRGUARD® SI Corrosion Inhibitor

Unsuitable extinguishing

media

Do not use direct water stream.

May spread fire.

Specific hazards during

firefighting

None known.

Hazardous combustion

products

During a fire, smoke may contain the original material in addition to combustion products of varying composition which

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may be toxic and/or irritating.

Combustion products may include and are not limited to:

Carbon monoxide. Carbon dioxide. Nitrogen oxides.

Further information Avoid accumulation of water. Product may be carried across

water surface spreading fire or contracting an ignition source. Keep people away. Isolate fire and deny unnecessary entry. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire

fighting helmet, coat, trousers, boots, and gloves).

If protective equipment is not available or not used, fight fire

from a protected location or safe distance.

### **6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, Isolate area. protective equipment and Keep unnece

emergency procedures

Keep unnecessary and unprotected personnel from entering

the area.

Refer to section 7, Handling, for additional precautionary

measures.

Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions Prevent from entering into soil, ditches, sewers, waterways

and/or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleaning up

Contain spilled material if possible.

Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional

information.

### 7. HANDLING AND STORAGE

Advice on safe handling Avoid contact with eyes.

Wash thoroughly after handling.

See Section 8, EXPOSURE CONTROLS AND PERSONAL

PROTECTION.

Conditions for safe storage Avoid storage at temperatures < 50F (10C); low temperatures

will cause the product to solidify and become difficult to

remove from the drum.

Product can darken if exposed to air for long periods or at

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elevated temperatures. Do not store near

Strong oxidizers. Do not store in:

Copper.

Copper alloys.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
5131-66-8	1-Butoxy-2-propanol	TWA	50 ppm	Dow IHG

#### **Engineering measures**

Local exhaust ventilation may be necessary for some

operations.

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.

### Personal protective equipment

Respiratory protection Under intended handling conditions, no respiratory protection

should be needed.

Hand protection

Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Butyl rubber. Ethyl vinyl alcohol laminate ("EVAL"). Examples of acceptable glove barrier materials include: Viton. Neoprene. Natural rubber ("latex"). Polyvinyl chloride ("PVC" or "vinyl"). Nitrile/butadiene rubber ("nitrile" or "NBR"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal

protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove

supplier.

Eye protection Use safety glasses (with side shields).

Skin and body protection Wear clean, body-covering clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Liquid or gel-like solid

Color Yellow to brown

Odor Mild

Odor Threshold No test data available

pH 7.9

Method: Measured

0.1% aq. sol.

Melting point/range No test data available

Freezing point No test data available

Boiling point/boiling range > 170 °C (> 338 °F)

Method: Estimated.

Flash point 99 °C (210 °F)

Method: Setaflash Closed Cup ASTM D3828

Test Type: closed cup

Evaporation rate No test data available

Flammability (solid, gas) No data available.

Upper explosion limit No test data available

Lower explosion limit No test data available

Vapor Pressure

No test data available

Relative Vapor Density (air =

1)

No test data available

Relative density 0.9398 (25 °C)

Method: Measured

Water solubility Slightly soluble

Partition coefficient: n-

octanol/water

No test data available

Auto-ignition temperature No test data available

Decomposition temperature No test data available

Viscosity

Viscosity, dynamic 1,619 mPa.s (25 °C)

(Brookfield Viscosity)

Product name: CORRGUARD® SI Corrosion Inhibitor

Viscosity, kinematic No test data available

Explosive properties No data available.

Oxidizing properties No data available.

Molecular weight Not available

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Reactivity No dangerous reaction known under conditions of normal use.

Chemical stability Thermally stable at typical use temperatures.

Possibility of hazardous

reactions

Hazardous polymerisation does not occur.

Conditions to avoid Exposure to elevated temperatures can cause product to

decompose.

Incompatible materials Avoid contact with oxidizing materials.

Hazardous decomposition

products

Decomposition products depend upon temperature, air supply

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and the presence of other materials.

Decomposition products can include trace amounts of:

Aldehydes. Ketones. Organic acids.

Decomposition products can include and are not limited to:

Nitrogen oxides.

#### 11. TOXICOLOGICAL INFORMATION

Toxicological information on this product or its components appear in this section when such data is available.

### **Acute toxicity**

### **Product:**

Acute oral toxicity Remarks: Small amounts swallowed incidentally as a result of

normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

Low toxicity if swallowed.

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

Method: Estimated.

Assessment: The substance or mixture has no acute oral

toxicity

Remarks: Based on information for component(s):

Acute inhalation toxicity Remarks: At room temperature, exposure to vapor is minimal

due to low volatility; single exposure is not likely to be

hazardous.

Remarks: The LC50 has not been determined.

Acute dermal toxicity Remarks: Prolonged skin contact is unlikely to result in

absorption of harmful amounts.

LD50

(Rabbit): > 2,000 mg/kg Method: Estimated.

Assessment: The substance or mixture has no acute dermal

toxicity

Remarks: Based on information for component(s):

## Components:

Acute oral toxicity LD50 (Rat, male and female): 3,300 mg/kg

Acute inhalation toxicity Remarks: Brief exposure (minutes) is not likely to cause

adverse effects.

No relevant data found.

For respiratory irritation and narcotic effects:

LC50 (Rat): > 3.5 mg/l Exposure time: 4 h Test atmosphere: vapour

Symptoms: No deaths occurred at this concentration. Assessment: The substance or mixture has no acute

inhalation toxicity

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

Acute oral toxicity LD50 (Rat, male and female): 3,300 mg/kg

Acute inhalation toxicity Remarks: Brief exposure (minutes) is not likely to cause

adverse effects.

No relevant data found.

For respiratory irritation and narcotic effects:

LC50 (Rat): > 3.5 mg/l Exposure time: 4 h Test atmosphere: vapour

Symptoms: No deaths occurred at this concentration. Assessment: The substance or mixture has no acute

inhalation toxicity

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

## Skin corrosion/irritation

### **Product:**

Result: No skin irritation

Remarks: Prolonged contact may cause slight skin irritation with local redness.

#### Components:

Result: Skin irritation

Remarks: Brief contact may cause moderate skin irritation with local redness.

Result: Skin irritation

Remarks: Brief contact may cause moderate skin irritation with local redness.

## Serious eye damage/eye irritation

### **Product:**

Result: No eye irritation

Remarks: May cause slight eye irritation.

Corneal injury is unlikely.

## **Components:**

Result: Mild eye irritation

Remarks: May cause moderate eye irritation.

May cause slight corneal injury.

Vapor may cause eye irritation experienced as mild discomfort and redness.

Effects are likely to heal readily.

Result: Mild eye irritation

Remarks: May cause moderate eye irritation.

May cause slight corneal injury.

Vapor may cause eye irritation experienced as mild discomfort and redness.

Effects are likely to heal readily.

## Respiratory or skin sensitization

## **Product:**

Remarks: For skin sensitization:

Based on information for component(s):

Did not cause allergic skin reactions when tested in guinea pigs.

Remarks: For respiratory sensitization:

No relevant information found.

## **Components:**

Assessment: Does not cause skin sensitization.

Remarks: For similar material(s):

Did not cause allergic skin reactions when tested in guinea pigs.

Remarks: For respiratory sensitization:

No relevant data found.

Assessment: Does not cause skin sensitization.

Remarks: For similar material(s):

Did not cause allergic skin reactions when tested in guinea pigs.

Remarks: For respiratory sensitization:

No relevant data found.

## Carcinogenicity

#### **Product:**

No relevant data found.

#### Components:

No relevant data found.

No relevant data found.

IARC No component 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 identified as a carcinogen or potential

carcinogen by OSHA.

NTP No component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

## Teratogenicity

## **Product**

Contains component(s) which did not cause birth defects or any other fetal effects in lab animals.

### **Components:**

Did not cause birth defects or any other fetal effects in laboratory animals.

Did not cause birth defects or any other fetal effects in laboratory animals.

## Mutagenicity

#### **Product**

Contains component(s) which were negative in animal genetic toxicity studies. Contains a component(s) which were negative in in vitro genetic toxicity studies.

### Components:

In vitro genetic toxicity studies were negative.

In vitro genetic toxicity studies were negative.

#### Reproductive toxicity

## **Product:**

Contains component(s) which did not interfere with reproduction in animal studies.

#### **Components:**

In animal studies, did not interfere with reproduction. For similar material(s):

In animal studies, did not interfere with reproduction. For similar material(s):

## STOT - single exposure

#### **Product:**

Assessment: Evaluation of available data suggests that this material is not an STOT-SE toxicant.

#### Components:

Assessment: Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Assessment: Evaluation of available data suggests that this material is not an STOT-SE toxicant.

## Repeated dose toxicity

## **Product:**

Remarks: No relevant data found.

#### **Components:**

Remarks: Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Remarks: Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

#### **Aspiration toxicity**

**Product:** 

Aspiration Hazard Based on physical properties, not likely to be an aspiration

hazard.

### **Components:**

Based on physical properties, not likely to be an aspiration hazard.

Based on physical properties, not likely to be an aspiration hazard.

### 12. ECOLOGICAL INFORMATION

## **Ecotoxicity**

#### Components:

Toxicity to fish Remarks: Material is practically non-toxic to aquatic

organisms on an acute basis (LC50/EC50/EL50/LL50 >100

mg/L in the most sensitive species tested).

LC50 (Poecilia reticulata (guppy)): > 560 mg/l

Exposure time: 96.0 h Test Type: static test

Method: OECD Test Guideline 203 or Equivalent

Toxicity to daphnia and other

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

Exposure time: 48.0 h Test Type: static test

Method: OECD Test Guideline 202 or Equivalent

Toxicity to algae EC50 (Pseudokirchneriella subcapitata (green algae)): >

1,000 mg/l

End point: Growth inhibition (cell density reduction)

Exposure time: 96 h Test Type: static test

Method: OECD Test Guideline 201 or Equivalent

NOEC (Pseudokirchneriella subcapitata (green algae)): 560

mg/l

End point: Growth inhibition (cell density reduction)

Exposure time: 96 h Test Type: static test

Method: OECD Test Guideline 201 or Equivalent

Toxicity to bacteria EC50 (Bacteria): > 1,000 mg/l

Exposure time: 3 h Test Type: static test

Toxicity to fish Remarks: Material is practically non-toxic to aquatic

organisms on an acute basis (LC50/EC50/EL50/LL50 >100

mg/L in the most sensitive species tested).

LC50 (Poecilia reticulata (guppy)): > 560 mg/l

Exposure time: 96.0 h Test Type: static test

Method: OECD Test Guideline 203 or Equivalent

Toxicity to daphnia and other

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mg/l

End point: Growth inhibition (cell density reduction)

Exposure time: 96 h Test Type: static test

Method: OECD Test Guideline 201 or Equivalent

Toxicity to bacteria EC50 (Bacteria): > 1,000 mg/l

Exposure time: 3 h
Test Type: static test

## Persistence and degradability

#### **Components:**

Biodegradability Remarks: Material is readily biodegradable. Passes OECD

test(s) for ready biodegradability.

Biodegradation: 85 - 92 % Exposure time: 28 d

Method: OECD Test Guideline 301C or Equivalent

Remarks: 10-day Window: Not applicable

Biochemical Oxygen

Demand (BOD)

1.1 - 1.5 %

Incubation time: 5 d

6.6 - 33.3 %

Incubation time: 20 d

ThOD 2.420 mg/mg

Biodegradability Remarks: Material is readily biodegradable. Passes OECD

test(s) for ready biodegradability.

Product name: CORRGUARD® SI Corrosion Inhibitor

Biodegradation: 85 - 92 %

Exposure time: 28 d

Method: OECD Test Guideline 301C or Equivalent

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Remarks: 10-day Window: Not applicable

Biochemical Oxygen

Demand (BOD)

1.1 - 1.5 %

Incubation time: 5 d

6.6 - 33.3 %

Incubation time: 20 d

ThOD 2.420 mg/mg

## **Bioaccumulative potential**

**Product:** 

Partition coefficient: n-

octanol/water

Remarks: No test data available

**Components:** 

Partition coefficient: n-

octanol/water

Remarks: Bioconcentration potential is low (BCF < 100 or Log

Pow < 3).

log Pow: 1.2 (20 °C) Method: Measured

Partition coefficient: n-

octanol/water

Remarks: Bioconcentration potential is low (BCF < 100 or Log

Pow < 3).

log Pow: 1.2 (20 °C) Method: Measured

Mobility in soil

**Components:** 

Distribution among

environmental compartments

Remarks: Potential for mobility in soil is very high (Koc

between 0 and 50).

Koc: 1.3 - 6

Method: Estimated.

Distribution among

environmental compartments

Remarks: Potential for mobility in soil is very high (Koc

between 0 and 50).

Koc: 1.3 - 6

Method: Estimated.

#### 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).

### Components:

Results of PBT and vPvB

assessment

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating

(vPvB).

Ozone-Depletion Potential

Remarks: This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

Results of PBT and vPvB

assessment

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Ozone-Depletion Potential

Remarks: This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

## 13. DISPOSAL CONSIDERATIONS

## **Disposal methods**

Waste from residues

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

All disposal practices must be in compliance with all Federal,

State/Provincial and local laws and regulations. Regulations may vary in different locations.

Waste characterizations and compliance with applicable laws

are the responsibility solely of the waste generator.

THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED

CONDITION AS DESCRIBED IN MSDS SECTION:

Composition Information.

FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted:

Incinerator or other thermal destruction device.

Landfill.

ANGUS HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL.

#### 14. TRANSPORT INFORMATION

## **International Regulation**

#### 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.

#### **National Regulations**

## 49 CFR (DOT) - NON BULK

Not regulated as a dangerous good

49 CFR (DOT) - BULK

Not regulated as a dangerous good

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

### 15. REGULATORY INFORMATION

OSHA Hazards This product is not a "Hazardous Chemical" as defined by the

OSHA Hazard Communication Standard, 29 CFR 1910.1200.

No OSHA Hazards

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

## **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 311/312 Hazards This product is not a hazardous chemical under 29CFR

1910.1200, and therefore is not covered by Title III of SARA.

No SARA Hazards

SARA 302 No chemicals in this material are subject to the reporting

requirements of SARA Title III, Section 302.

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).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (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).

## **Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

### **US State Regulations**

## Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

## Pennsylvania Right To Know

The following chemicals are listed because of the additional requirements of Pennsylvania law:

Cas No. Component

Trade Secret Component(s) Trade Secret Component(s)

## **New Jersey Right To Know**

The following chemicals are listed because of the additional requirements of New Jersey law:

Cas No. Component Trade Secret

Component(s)
Trade Secret
Component(s)

7732-18-5 Water

2-(Methylamino)2-methyl-1propanol/Tall Oil Fatty Acid Salt

### California Prop. 65

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

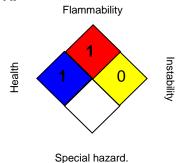
## The components of this product are reported in the following inventories:

United States TSCA Inventory All Components OK

#### **16. OTHER INFORMATION**

#### **Further information**

#### NFPA:



#### HMIS III:

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight, 2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

Revision Date 03/17/2017 Version 1.0

Identification Number: 000040000047

#### US / EN

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.

## Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized 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; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States): AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC -New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA -Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP -Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

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