according to the OSHA Hazard Communication Standard



### **ADDITIN RC 5800**

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### **SECTION 1. IDENTIFICATION**

Product name : ADDITIN RC 5800

Product code : 00000000062611307

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 : Additive for lubricants

### **SECTION 2. HAZARDS IDENTIFICATION**

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

### Hazards for the product as supplied

Acute toxicity (Oral) : Category 4

Skin corrosion : Sub-category 1B

Serious eye damage : Category 1

Reproductive toxicity : Category 2

### Other hazards

None known.

### **GHS** label elements

Hazard pictograms







Signal Word : Danger

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Hazard Statements : H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage. H361d Suspected of damaging the unborn child.

Precautionary Statements : Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read

and understood.

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

and 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.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON

CENTER/ doctor.

P305 + P351 + P338 + P310 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.

P308 + P313 IF exposed or concerned: Get medical advice/

attention.

P363 Wash contaminated clothing before reuse.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste dis-

posal plant.

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

Chemical nature : Aqueous solution

### Components

Chemical name	CAS No./Unique	Concentration (% w/w)
1H-Benzotriazole, 4(or 5)- methyl-, sodium salt	64665-57-2*	>= 30 - <= 60

<sup>\*</sup> Indicates that the identifier is a CAS No.

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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 com-

fortable for breathing.

If unconscious, place in recovery position and get medical

attention immediately. Maintain open airway.

If not breathing, if breathing is irregulor or respiratory arrest occurs, provide artifical 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 re-use.

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 per-

sonnel.

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. Ingestion: May cause burns to mouth, throat, and stomach. Corrosive with symptoms of reddening, itching, swelling, burn-

ing and possible permanent damage.

Inhalation may provoke the following symptoms:

Acute overexposure to this product may cause dizziness,

headache, drowsiness, malaise, abdominal pain. Adverse symptoms sometimes include the following:

Effects on fetal development.

Effects : May give off gas, vapor or dust that is very irritating or corro-

sive to the respiratory system.

Harmful if swallowed.

Causes serious eye damage.

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Suspected of damaging the unborn child.

Causes severe burns.

Protection of first-aiders : No action shall be taken involving any personal risk or without

suitable training.

Notes to physician : Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES** 

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or car-

bon dioxide.

Unsuitable extinguishing

media

None known.

Specific hazards during fire

fighting

Water runoff from fire fighting may be corrosive.

Hazardous combustion prod-

ucts

Carbon dioxide (CO2)

Carbon monoxide Nitrogen oxides (NOx)

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

Wear self-contained breathing apparatus for firefighting if nec-

essary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES** 

Personal precautions, protective equipment and emer-

gency procedures

No action shall be taken involving any personal risk or without

suitable training.

Evacuate personnel to safe areas.

Keep unnecessary and unprotected personnel from entering.

Do not touch or walk through spilled material.

Use personal protective equipment. Do not breathe vapors or spray mist.

Provide adequate ventilation.

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.
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Methods and materials for containment and cleaning up

Stop leak if safe to do so.

Move containers from spill area.

Wash spillages into an effluent treatment plant or proceed as

follows.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local /

national regulations (see section 13).

Dispose of wastes in an approved waste disposal facility. Do not allow spilled material or wash water to enter sewers,

surface waters, or groundwater systems.

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 be-

fore 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. Avoid exposure during pregnancy.

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.

Keep container closed when not in use.

Containers that have been opened must be carefully resealed

and kept upright to prevent leakage. Do not store in unlabeled containers.

Use appropriate container to avoid environmental contamina-

tion.

Empty containers retain residue and can be dangerous.

Do not reuse container.

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 work-

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er exposure to airborne contaminants.

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### 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 : butyl-rubber Wearing time : < 60 min

Remarks : Gloves should be discarded and replaced if there is any indi-

cation of degradation or chemical breakthrough.

After contamination with product change the gloves immediately and dispose of them according to relevant national and

local regulations

Eye protection : Tightly fitting safety goggles

Safety glasses

Skin and body protection : Permeation resistant clothing and foot protection.

Protective suit

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**

Appearance : liquid

Physical state : liquid

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Color : tan

Odor : characteristic

Odor Threshold : No data available

pH : 10.7

Concentration: 10 %

Melting point/ range : 18 °F / -8 °C

Boiling point/boiling range : 212 °F / 100 °C (1,013 hPa)

Flash point : No data available

Evaporation rate : No data available

Flammability (liquids) : No data available

Self-ignition : No data available

Upper explosion limit / Upper

flammability limit

No data available

Lower explosion limit / Lower :

flammability limit

No data available

Vapor pressure : 0.0533288 hPa (68 °F / 20 °C)

Relative vapor density : No data available

Relative density : No data available

Density : 1.19 g/cm3 (68 °F / 20 °C)

Solubility(ies)

Water solubility : Soluble

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

: No data available

Ignition temperature : No data available

Decomposition temperature : No data available

Self-Accelerating decomposi-

tion temperature (SADT)

No data available

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Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Self-heating substances : No data available

Particle size : Not applicable

#### **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 reac-

tions

Under normal conditions of storage and use, hazardous reac-

tions will not occur.

Conditions to avoid : Extremes of temperature and direct sunlight.

Incompatible materials : Acids

Hazardous decomposition

products

No decomposition if stored and applied as directed.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

### Information on likely routes of exposure

Inhalation Eye contact Skin contact Ingestion

#### **Acute toxicity**

Harmful if swallowed.

**Product:** 

Acute oral toxicity : Acute toxicity estimate: 1,470 mg/kg

Method: Calculation method

Acute inhalation toxicity : Assessment: Not corrosive to the respiratory tract.

### Components:

### 1H-Benzotriazole, 4(or 5)-methyl-, sodium salt:

Acute oral toxicity : LD50 (Rat, male and female): 735 mg/kg

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Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit, male and female): Method: OECD Test Guide-

line 402

Assessment: The substance or mixture has no acute dermal

toxicity

Remarks: No mortality observed at this dose.

#### Skin corrosion/irritation

Causes severe burns.

#### Components:

### 1H-Benzotriazole, 4(or 5)-methyl-, sodium salt:

Species : Rabbit

Method : OECD Test Guideline 404

Result : Corrosive after 3 minutes to 1 hour of exposure

#### Serious eye damage/eye irritation

Causes serious eye damage.

### **Components:**

#### 1H-Benzotriazole, 4(or 5)-methyl-, sodium salt:

Result : Risk of serious damage to eyes.

#### Respiratory or skin sensitization

### Skin sensitization

Not classified due to lack of data.

#### Respiratory sensitization

Not classified due to lack of data.

### **Components:**

### 1H-Benzotriazole, 4(or 5)-methyl-, sodium salt:

Test Type : Maximization Test Routes of exposure : Skin contact Species : Guinea pig

Method : OECD Test Guideline 406
Result : Not a skin sensitizer.

### Germ cell mutagenicity

Not classified due to lack of data.

#### Carcinogenicity

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Not classified due to lack of data.

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

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on OSHA's list of regulated carcinogens.

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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

Suspected of damaging the unborn child.

#### **Components:**

### 1H-Benzotriazole, 4(or 5)-methyl-, sodium salt:

Effects on fetal development : Species: Rat

Strain: Sprague-Dawley Application Route: Oral

Frequency of Treatment: 1 daily

Developmental Toxicity: LOAEL: 30 mg/kg

Method: OECD Test Guideline 414

GLP: Yes

Remarks: Adverse developmental effects were observed

Reproductive toxicity - As-

sessment

Some evidence of adverse effects on development, based on

animal experiments.

### STOT-single exposure

Not classified due to lack of data.

### STOT-repeated exposure

Not classified due to lack of data.

### Repeated dose toxicity

### **Components:**

### 1H-Benzotriazole, 4(or 5)-methyl-, sodium salt:

Species : Rat, male and female

150 mg/kg

Application Route : Oral Exposure time : 28 d

Dose : 0 - 50 - 150 - 450 mg/kg
Method : OECD Test Guideline 407

Remarks : Subacute toxicity

# Aspiration toxicity

Not classified due to lack of data.

### **Further information**

**Product:** 

Remarks : No data available

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#### **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

### Components:

### 1H-Benzotriazole, 4(or 5)-methyl-, sodium salt:

Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): 55 mg/l

End point: Immobilization Exposure time: 96 h

Method: OECD Test Guideline 203

Remarks: In analogy to test results for similarly composed

products.

LC50 (Danio rerio (zebra fish)): 180 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Remarks: In analogy to test results for similarly composed

products.

NOEC (Cyprinodon variegatus (sheepshead minnow)): 30

mg/l

End point: Immobilization Exposure time: 96 h

Method: OECD Test Guideline 203

Remarks: In analogy to test results for similarly composed

products.

Toxicity to daphnia and other :

aquatic invertebrates

(Daphnia galeata (Water flea)): 8.58 mg/l

Exposure time: 48 h Test Type: Immobilization

Method: OECD Test Guideline 202

Remarks: In analogy to test results for similarly composed

products.

Toxicity to algae/aquatic

plants

EC50 (Desmodesmus subspicatus (green algae)): 75 mg/l

End point: Growth inhibition

Exposure time: 72 h

Method: OECD Test Guideline 201

Remarks: Fresh water

In analogy to test results for similarly composed products.

EC10 (Desmodesmus subspicatus (green algae)): 1.18 mg/l

End point: Growth inhibition

Exposure time: 72 h

Method: OECD Test Guideline 201

Remarks: Fresh water

In analogy to test results for similarly composed products.

EC50 (Skeletonema costatum (marine diatom)): 53 mg/l

End point: Growth inhibition

Exposure time: 72 h Method: ISO 10253

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Remarks: salt water

In analogy to test results for similarly composed products.

NOEC (Skeletonema costatum (marine diatom)): 30 mg/l

End point: Growth inhibition

Exposure time: 72 h Method: ISO 10253 Remarks: salt water

In analogy to test results for similarly composed products.

Toxicity to daphnia and other : aquatic invertebrates (Chron-

ic toxicity)

EC10 (Daphnia galeata (Water flea)): 0.4 mg/l

End point: Reproduction Exposure time: 21 Days

Method: OECD Test Guideline 211

Remarks: In analogy to test results for similarly composed

products.

Toxicity to microorganisms : EC50

EC50 (activated sludge): 1,060 mg/l

End point: Respiration inhibition

Exposure time: 1 d Method: ISO 8192

Remarks: In analogy to test results for similarly composed

products.

EC10 (activated sludge): 394 mg/l End point: Respiration inhibition

Exposure time: 1 d Method: ISO 8192

Remarks: In analogy to test results for similarly composed

products.

#### Persistence and degradability

### **Product:**

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 4 % Exposure time: 28 d

Method: Regulation (EC) No. 440/2008, Annex, C.9 Remarks: Test results on an analogous substance/product.

### **Components:**

### 1H-Benzotriazole, 4(or 5)-methyl-, sodium salt:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 4 % Exposure time: 28 d

Method: Regulation (EC) No. 440/2008, Annex, C.4-D Remarks: Test results on an analogous substance/product.

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### **Bioaccumulative potential**

#### Components:

**1H-Benzotriazole, 4(or 5)-methyl-, sodium salt:** Partition coefficient: n- : log Pow: 1.087

octanol/water Method: OECD Test Guideline 117

Mobility in soil
No data available

Other adverse effects

No data available

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal methods**

RCRA - Resource Conservation and Recovery Authorization

tion 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 classi-

fied as a hazardous waste. (40 CFR 261.20-24)

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 precau-

tions 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.

(TOLYLTRIAZOLE, SODIUM SALT)

Class : 8
Packing group : II
Labels : 8

CORROSIVE 8

Packing instruction (cargo : 855: 30.00 L

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aircraft)

Packing instruction (passen-

ger aircraft)

Environmentally hazardous

851: 1.00 L

yes

**IMDG-Code** 

**UN** number UN 3267

UN proper shipping name CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.

(TOLYLTRIAZOLE, SODIUM SALT)

Class 8 Packing group Ш 8

Labels

**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.

(TOLYLTRIAZOLE, SODIUM SALT)

Class 8 Packing group Ш 8

Labels

**ERG Code** 

yes(TOLYLTRIAZOLE, SODIUM SALT) Marine pollutant

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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. 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 : Acute toxicity (any route of exposure)

Reproductive toxicity
Skin corrosion or irritation

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.

### **US State Regulations**

#### Massachusetts Right To Know

1H-Benzotriazole, 4(or 5)-methyl-, sodium salt 64665-57-2

### Pennsylvania Right To Know

1H-Benzotriazole, 4(or 5)-methyl-, sodium salt 64665-57-2 water 7732-18-5

#### 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.

#### **TSCA** inventory

TSCA : All substances listed as active on the TSCA inventory

#### **TSCA list**

No substances are subject to a Significant New Use Rule.

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

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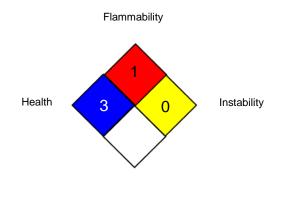
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#### **SECTION 16. OTHER INFORMATION**

#### **Further information**

#### NFPA 704:



Special hazard

### HMIS® IV:



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 Standardization; 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 Organization 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 Develop-

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ment; 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, Authorization 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.

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