

D.E.R.™ 669-20 Epoxy Resin

Version Revision Date: SDS Number: Date of last issue: 03-12-2021 6.1 05-16-2022 101196411 Date of first issue: 05-16-2022

BLUE CUBE OPERATIONS LLC 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.

SECTION 1. IDENTIFICATION

Product name : D.E.R.™ 669-20 Epoxy Resin

Product code : 00000001000000970

Manufacturer or supplier's details

Company name of supplier : BLUE CUBE OPERATIONS LLC

Address : 190 CARONDELET PLAZA, SUITE 1530

CLAYTON MO 63105-3467

Telephone : (844) 238-3445 E-mail address : INFO@OLIN.COM 24-Hour Emergency Contact : +1 800 424 9300

Local Emergency Contact : 1-800-424-9300 Identified uses : Can coatings.

Coil coatings.

SECTION 2. HAZARDS IDENTIFICATION

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

Combustible dust

Reproductive toxicity : Category 2

GHS label elements

Hazard pictograms :

Signal Word : Warning

Hazard Statements : May form combustible dust concentrations in air.

Suspected of damaging fertility or 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.

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.





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Response:

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

attention.

Storage:

P405 Store locked up.

Disposal:

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

posal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Substance

Substance name Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-

methylethylidene)bis(4,1-

phenyleneoxymethylene)]bis[oxirane]

CAS-No. 25036-25-3

Synonyms Bisphenol A diglycidyl ether - bisphenol A copolymer

Components

Chemical name	CAS-No.	Concentration (% w/w)
Phenol, 4,4'-(1-methylethylidene)bis-,	25036-25-3	> 99.8
polymer with 2,2'-[(1-		
methylethylidene)bis(4,1-		
phenyleneoxymethylene)]bis[oxirane]		
Bisphenol A	80-05-7	< 0.2

SECTION 4. FIRST AID MEASURES

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

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

In case of eye contact Flush eyes with plenty of water; remove contact lenses after

the first 1-2 minutes then continue flushing for several minutes. Only mechanical effects expected. If effects occur, con-

sult 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)any additional important symptoms and ef-

fects are described in Section 11: Toxicology Information.





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Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific

personal protective equipment.

Notes to physician : No specific antidote.

Treatment of exposure should be directed at the control of

symptoms and the clinical condition of the patient.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water fog or fine spray.

Dry chemical fire extinguishers. Carbon dioxide fire extinguishers.

Foam.

Unsuitable extinguishing

media

No information available.

Specific hazards during fire

fighting

Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, do not permit dust to accumulate.

Dense smoke is emitted when burned without sufficient oxy-

gen.

Hazardous combustion prod-

ucts

During a fire, smoke may contain the original material in addi-

tion to combustion products of varying composition which may

be toxic and/or irritating.

Combustion products may include and are not limited to:

Phenolic compounds. Carbon monoxide. Carbon dioxide.

Further information : Keep people away. Isolate fire and deny unnecessary entry.

Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct waterstream. Use

fine water spray or foam.

Cool surroundings with water to localize fire zone.

Hand held dry chemical or carbon dioxide extinguishers may

be used for small fires.

Contain fire water run-off if possible. Fire water run-off, if not

contained, may cause environmental damage.

Review the 'Accidental Release Measures' and the 'Ecological

Information' sections of this (M)SDS.

Special protective equipment :

for fire-fighters

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

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

Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote

location.

For protective equipment in post-fire or non-fire clean-up si-

tuations, refer to the relevant sections.





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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emer-

gency procedures

Keep unnecessary and unprotected personnel from entering

the area.

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

Spilled material may cause a slipping hazard.

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

Sweep up.

Contain spilled material if possible.

Collect in suitable and properly labeled containers.

See Section 13, Disposal Considerations, for additional infor-

mation.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Good housekeeping and controlling of dusts are necessary for

safe handling of product.

Conditions for safe storage : No specific requirements.

Recommended storage tem: :

perature

36 - 109 °F / 2 - 43 °C

Storage period : 24 Months

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Bisphenol A	80-05-7	(Inhalable fraction and vapor)	2 mg/m3	OLIN OEL

Engineering measures : 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.

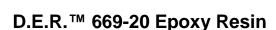
Local exhaust ventilation may be necessary for some opera-

tions.

Personal protective equipment

Respiratory protection : Respiratory protection should be worn when there is a poten-

tial to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects,





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such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, in dusty atmospheres, use an approved parti-

culate respirator.

Filter type : The following should be effective types of air-purifying respi-

rators: Particulate filter.

Hand protection

Remarks : Chemical protective gloves should not be needed when

handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

Eye protection : Use safety glasses (with side shields).

If there is a potential for exposure to particles which could

cause eye discomfort, wear chemical goggles.

Skin and body protection : No precautions other than clean body-covering clothing

should be needed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Flakes

Color : Yellow to brown

Odor : Mild

Odor Threshold : No test data available

pH : Not applicable

Melting point/range : No test data available

Freezing point Not applicable to solids

Boiling point/boiling range : Not applicable

Flash point : Method: closed cup

Not applicable

Evaporation rate : No test data available

Flammability (solid, gas) : May form combustible dust concentrations in air.

Upper explosion limit / Upper

flammability limit

Not applicable

Lower explosion limit / Lower

flammability limit

Not applicable

Vapor pressure : Not applicable



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Relative vapor density Not applicable

Relative density 1.18

Method: Literature

Solubility(ies)

Water solubility Insoluble

Partition coefficient: n-

octanol/water

No data available.

Autoignition temperature Not applicable

Decomposition temperature No test data available

Viscosity

Viscosity, dynamic Not applicable

Viscosity, kinematic No test data available

Explosive properties No data available

Oxidizing properties No data available

Note: These are the Reference Points for these Physical Properties listed above, unless otherwise noted in their respective Physical Property value information: Boiling Point at 760 mmHg; Evaporation Rate Butyl Acetate = 1; Relative Vapor Density Air = 1; and Relative Density Water = 1.

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

SECTION 10. STABILITY AND REACTIVITY

Reactivity No data available

Chemical stability Stable under recommended storage conditions. See Storage,

Section 7.

Possibility of hazardous reac-

tions

Will not occur by itself.

Masses of more than one pound (0.5 kg) of product plus an

aliphatic amine will cause irreversible polymerization with

considerable heat build-up.

Conditions to avoid Exposure to elevated temperatures can cause product to de-

compose.

Incompatible materials Avoid contact with:

> Acids. Bases.

Avoid unintended contact with amines.

Hazardous decomposition

products

Decomposition products depend upon temperature, air supply

and the presence of other materials.

Uncontrolled exothermic reaction of epoxy resins release

phenolics, carbon monoxide, and water.



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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

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

Assessment: The substance or mixture has no acute oral tox-

icity

Acute inhalation toxicity : Remarks: The LC50 has not been determined.

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

Assessment: The substance or mixture has no acute dermal

toxicity

Bisphenol A:

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

Acute inhalation toxicity : Remarks: The LC50 has not been determined.

Acute dermal toxicity : LD50 (Rabbit): 3,000 mg/kg

Skin corrosion/irritation

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

Result : No skin irritation

Remarks : Essentially nonirritating to skin.

Bisphenol A:

Result : No skin irritation

Remarks : Brief contact is essentially nonirritating to skin.

Prolonged contact may cause skin irritation with local redness. Repeated contact may cause skin irritation with local redness.

Serious eye damage/eye irritation

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

Result : No eye irritation

Remarks : May cause slight temporary eye irritation.

Corneal injury is unlikely.

Solid or dust may cause irritation or corneal injury due to me-

chanical action.



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Bisphenol A:

Result : Corrosive

Remarks : May cause moderate eye irritation.

May cause slight corneal injury.

May cause permanent impairment of vision.

Respiratory or skin sensitization

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

Remarks : For skin sensitization:

No relevant data found.

Remarks : For respiratory sensitization:

No relevant data found.

Bisphenol A:

Assessment : May cause sensitization by skin contact.

Remarks : Skin contact may cause an allergic skin reaction.

Remarks : For respiratory sensitization:

No relevant data found.

Germ cell mutagenicity

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

Genotoxicity in vitro : Remarks: Some similar resins have shown genetic toxicity in

in vitro tests, while others have not.

Bisphenol A:

Genotoxicity in vitro : Remarks: In vitro genetic toxicity studies were predominantly

negative.

Animal genetic toxicity studies were negative.

Carcinogenicity

Components:

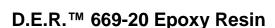
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

Remarks : Similar epoxy resin did not cause cancer in long-term animal

studies.

Bisphenol A:

Remarks : No convincing evidence for carcinogenicity of Bisphenol A has





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been seen in long-term animal studies.

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.

OSHANo 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

Product:

Effects on fertility : Remarks: No relevant data found.

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

Effects on fertility : Remarks: No relevant data found.

Effects on fetal development : Remarks: No relevant data found.

Bisphenol A:

Effects on fertility : Remarks: Bisphenol A affected reproduction in rats and mice,

but only at high exposure levels that exceeded the body's capacity to metabolize and deactivate the chemical. Maintaining exposures below appropriate workplace exposure limits

should avoid these and other effects.

Effects on fetal development : Remarks: Has been toxic to the fetus in laboratory animals at

doses toxic to the mother.

Did not cause birth defects in laboratory animals.

Reproductive toxicity - As-

sessment

Suspected human reproductive toxicant

STOT-single exposure

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

Assessment : Evaluation of available data suggests that this material is not

an STOT-SE toxicant.

Bisphenol A:

Routes of exposure : Inhalation

Target Organs : Respiratory Tract

Assessment : May cause respiratory irritation.



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Repeated dose toxicity

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

Remarks : Based on available data, repeated exposures are not

anticipated to cause significant adverse effects.

Bisphenol A:

Remarks : Liver effects and questionable kidney and bladder effects

were observed in animals fed bisphenol A.

Aspiration toxicity

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

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

Bisphenol A:

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

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

Toxicity to fish : Remarks: Not expected to be acutely toxic, but may cause

adverse effects by physical/mechanical means.

Bisphenol A:

Toxicity to fish : Remarks: Material is moderately toxic to aquatic organisms on

an acute basis (LC50/EC50 between 1 and 10 mg/L in the

most sensitive species tested).

LC50 (Fathead minnow (Pimephales promelas)): 4.6 mg/l

Exposure time: 96 h

LC50 (Atlantic silverside (Menidia menidia)): 9.4 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

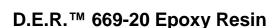
aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 10.2 mg/l

Exposure time: 48 h

EC50 (saltwater mysid Mysidopsis bahia): 1.1 mg/l

Exposure time: 96 h





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Toxicity to algae/aquatic

plants

EC50 (Skeletonema costatum (marine diatom)): 1.1 mg/l

End point: Growth rate inhibition

Exposure time: 96 h Test Type: static test

Toxicity to fish (Chronic tox-

icity)

NOEC (Fathead minnow (Pimephales promelas)): 0.160 mg/l

End point: mortality Exposure time: 164 d

NOEC (Pimephales promelas (fathead minnow)): 0.016 mg/l

End point: number of offspring

Exposure time: 444 d

NOEC (Cyprinodon variegatus (sheepshead minnow)): 0.066

mg/l

End point: number of offspring

Exposure time: 116 d

Toxicity to daphnia and other :

aquatic invertebrates (Chron-

ic toxicity)

NOEC (saltwater mysid Mysidopsis bahia): 0.17 mg/l

End point: number of offspring

Exposure time: 28 d

NOEC (Marisa cornuarietis (Giant Ramshorn Snail)): 0.025

mg/l

End point: growth Exposure time: 328 d

Toxicity to microorganisms : EC50 (Bacteria): > 320 mg/l

End point: Respiration rates.

Exposure time: 96 h

Persistence and degradability

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]:

Biodegradability : Remarks: Surface photodegradation is expected with expo-

sure to sunlight.

No appreciable biodegradation is expected.

Bisphenol A:

Biodegradability : Result: Readily biodegradable.

Remarks: Material is readily biodegradable. Passes OECD

test(s) for ready biodegradability.

Biodegradation: 93.1 % Exposure time: 28 d

Method: OECD Test Guideline 301F or Equivalent

Remarks: 10-day Window: Pass

Biodegradation: 87 - 95 % Exposure time: 28 d



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Method: OECD Test Guideline 302A or Equivalent

Remarks: 10-day Window: Not applicable

ThOD 2.52 mg/mg

Bioaccumulative potential

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1phenyleneoxymethylene)]bis[oxirane]:

Partition coefficient: n-

Remarks: In the terrestrial environment, material is expected

octanol/water

to remain in the soil.

Mobility in soil

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1phenyleneoxymethylene)]bis[oxirane]:

Distribution among environmental compartments

Remarks: In the aquatic environment, material will sink and

remain in the sediment.

Bisphenol A:

Distribution among environ-

mental compartments

Koc: 636 - 931 Method: Measured

Remarks: Potential for mobility in soil is low (Koc between 500

and 2000).

Other adverse effects

Components:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1phenyleneoxymethylene)]bis[oxirane]:

Results of PBT and vPvB

assessment

This substance has not been assessed for persistence, bioac-

cumulation and toxicity (PBT).

Bisphenol A:

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).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE

> MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS

MATERIAL.

THE INFORMATION PRESENTED HERE PERTAINS ONLY





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TO THE PRODUCT AS SHIPPED IN ITS INTENDED

CONDITION AS DESCRIBED IN MSDS SECTION: Composi-

tion Information.

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.

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND,

OR INTO ANY BODY OF WATER.

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

Incinerator or other thermal destruction device.

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

SECTION 15. REGULATORY INFORMATION

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 : Combustible dust

Reproductive toxicity

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

Pennsylvania Right To Know

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Pennsylvania Right To Know

Bisphenol A 80-05-7





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California Prop. 65

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

International Regulations

Montreal Protocol : Not applicable

Rotterdam Convention (Prior Informed Consent) : Not applicable

Stockholm Convention (Persistent Organic Pollutants) : Not applicable

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

TCSI : All intentional components are listed on the inventory, are

exempt, or are supplier certified.

TSCA : All substances listed as active on the TSCA Inventory or are

not required to be listed.

AllC : All intentional components are listed on the inventory, are

exempt, or are supplier certified.

DSL : All substances contained in this product are listed on the

Canadian Domestic Substances List (DSL) or are not required

to be listed.

ENCS : All intentional components are listed on the inventory, are

exempt, or are supplier certified.

ISHL : All intentional components are listed on the inventory, are

exempt, or are supplier certified.

KECI : All intentional components are listed on the inventory, are

exempt, or are supplier certified.

PICCS : All intentional components are listed on the inventory, are

exempt, or are supplier certified.

IECSC : All intentional components are listed on the inventory, are

exempt, or are supplier certified.

CH INV : All intentional components are listed on the inventory, are

exempt, or are supplier certified.

TSCA list

No substances are subject to a Significant New Use Rule.

Exemptions from the obligation to register



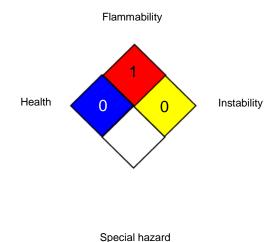
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SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



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 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 Amend-



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ments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance 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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