

SAFETY DATA SHEET

TAG VCT



Version 1.0 Revision Date: 02/29/2024 SDS Number: F000005872 Date of last issue: -
Date of first issue: 02/29/2024

SECTION 1. IDENTIFICATION

Product name : TAG VCT

Manufacturer or supplier's details

Company name of supplier : Lighthouse Adhesives, LLC
Address : 4284 S. Dixie Hwy
Resaca GA 30735
Telephone : (706) 263-1800
Emergency telephone : (CHEMTREC): (800) 424-9300 (CHEMTREC International):
(703) 527-3887 Industrial Health/Spill Emergency: (706) 277-1300 Danny Welch (ehs@trcc.com)

SECTION 2. HAZARDS IDENTIFICATION

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

Reproductive toxicity : Category 2

GHS label elements

Hazard pictograms : The GHS hazard pictogram for Health Hazard (H361), showing a silhouette of a person with a starburst on their chest, enclosed in a red diamond border.

Signal Word : Warning

Hazard Statements : H361 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.
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 disposal plant.

Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 18.9588 %

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 18.9588 %

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Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	CAS-No.	Concentration (% w/w)
Rosin	8050-09-7	$\geq 5 - < 10$
2-dimethylaminoethanol	108-01-0	$\geq 1 - < 5$
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	68610-51-5	$\geq 0.1 - < 1$

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- General advice : 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 eye contact : Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
- If swallowed : 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 : Suspected of damaging fertility or the unborn child.
- Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Environmental precautions : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

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Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

Conditions for safe storage : Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : No materials to be especially mentioned.

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Rosin	8050-09-7	TWA (Inhalable particulate matter)	0.001 mg/m ³ (total Resin acids)	ACGIH

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : tan, beige

Odor : characteristic

pH : 9.4 - 9.6

Melting point/freezing point : No data available

Boiling point/boiling range : Not applicable

Flash point : Not applicable

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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 : Not applicable

Density : 9.0 - 9.4 lb/gal

Solubility(ies)

 Water solubility : No data available

 Solubility in other solvents : Not applicable

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

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 : Stable under recommended storage conditions.
No hazards to be specially mentioned.

Conditions to avoid : No data available

Incompatible materials : Not applicable

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

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

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

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

Components:

Rosin:

Acute oral toxicity : LD50 (Rat): +/- 7,600 - 8,400 mg/kg

LD50: > 7,500 - < 10,000 mg/kg

LD50 (Rat): 7,600 - 8,400 mg/kg

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Acute inhalation toxicity : LC50 (Rat): +/- 2.3 mg/l
Exposure time: 4 h

LC50 (Rat): 2.3 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): 2,500 mg/kg

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

LD50 (Rat): 2,500 mg/kg

2-dimethylaminoethanol:

Acute oral toxicity : LD50 (Rat): 1,242 - 2,340 mg/kg

LD50 (Rat): 2,000 mg/kg

LD50 (Rat): 2,340 mg/kg

Acute inhalation toxicity : LC50 (Rat): 1641 ppm
Exposure time: 4 h
Test atmosphere: vapor

LC50 (Rat): 1641 ppm
Exposure time: 4 h
Test atmosphere: vapor
GLP: no

Acute dermal toxicity : LD50 (Rabbit): 1,685 - 3,135 mg/kg

LD50 (Rabbit): 1,685 - 3,135 mg/kg

LD50 (Rabbit): 1,370 mg/kg

LD50 (Rabbit): 1,370 mg/kg

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
GLP: yes

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

Skin corrosion/irritation

Not classified based on available information.

Components:

Rosin:

Species : Rabbit
Exposure time : 24 h

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Assessment : Not irritant
Method : in vivo

2-dimethylaminoethanol:

Species : Rabbit
Exposure time : 1 h
Assessment : Category 1B
Method : in vivo
GLP : no

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:

Species : Rabbit
Assessment : Not irritant
Method : in vivo
GLP : yes

Serious eye damage/eye irritation

Not classified based on available information.

Components:

Rosin:

Species : Rabbit
Exposure time : 48 h
Assessment : Not irritant
Method : in vivo
GLP : yes

2-dimethylaminoethanol:

Species : Rabbit
Exposure time : 7 d
Assessment : Highly irritating
Method : in vivo
GLP : no

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:

Species : Rabbit
Exposure time : 1 - 72 h
Assessment : Not irritant
Method : in vivo
GLP : yes

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

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Components:

Rosin:

Test Type : Skin sensitization:
Species : Guinea pig
Method : in vivo
Result : Non sensitising
GLP : yes

2-dimethylaminoethanol:

Test Type : Skin sensitization:
Species : Guinea pig
Method : in vivo
Result : Non sensitising
GLP : yes

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:

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

Suspected of damaging fertility or the unborn child.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Rosin:

Species : Rat, male
NOAEL : 1 %(m)

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Application Route : Oral
Exposure time : 90 d
Method : Diet
GLP : no

2-dimethylaminoethanol:

Species : Rat, male and female
NOAEL : 24 ppm(m)
Application Route : Inhalation
Exposure time : 13 Weeks
GLP : no

Species : Rat
NOAEL : > 240 mg/kg
Application Route : Oral
Exposure time : 4 d
Method : Oral

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:

Species : Rat, male and female
NOAEL : 500 ppm(m)
Application Route : Oral
Exposure time : 91 - 92 d
Method : Diet
GLP : yes

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Rosin:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 60.3 mg/l
Exposure time: 96 h
Analytical monitoring: Analytical monitoring: no
Method: static test
GLP: yes

Toxicity to daphnia and other : LC50 (Daphnia magna (Water flea)): 1.6 mg/l
aquatic invertebrates : Exposure time: 48 h
Analytical monitoring: Analytical monitoring: no
Method: static test
GLP: yes

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2-dimethylaminoethanol:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 146.63 mg/l
Exposure time: 96 h
Analytical monitoring: Analytical monitoring: no
Method: static test
GLP: no

LC50 (Leuciscus idus (Golden orfe)): 1,500 - 2,500 mg/l
Exposure time: 48 h
Analytical monitoring: Analytical monitoring: no
Method: static test
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC100 (Daphnia magna (Water flea)): 250 mg/l
Exposure time: 48 h
Analytical monitoring: Analytical monitoring: no
Method: static test
GLP: no

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.2 mg/l
Exposure time: 72 h
Analytical monitoring: Analytical monitoring: yes
Method: semi-static test
GLP: yes

LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.2 mg/l
Exposure time: 96 h
Analytical monitoring: Analytical monitoring: yes
Method: semi-static test
GLP: yes

LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.2 mg/l
Exposure time: 24 h
Analytical monitoring: Analytical monitoring: yes
Method: semi-static test
GLP: yes

LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.2 mg/l
Exposure time: 48 h
Analytical monitoring: Analytical monitoring: yes
Method: semi-static test
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 0.2 mg/l
Exposure time: 24 h
Analytical monitoring: Analytical monitoring: yes
Method: semi-static test
GLP: yes

EC50 (Daphnia magna (Water flea)): > 0.2 mg/l
Exposure time: 48 h
Analytical monitoring: Analytical monitoring: yes

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Method: semi-static test
GLP: yes

Toxicity to algae/aquatic plants : ErC50 (algae): > 0.2 mg/l
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

Persistence and degradability

Components:

Rosin:

Biodegradability : Concentration: 200 mg/l
Biodegradation: 73.3 %
Exposure time: 28 d
GLP: yes

Concentration: 2 mg/l
Biodegradation: 71 %
Exposure time: 28 d
GLP: yes

Concentration: 13.7 mg/l
Biodegradation: 80 %
Exposure time: 28 d
GLP: yes

Concentration: 13.6 mg/l
Biodegradation: 89 %
Exposure time: 28 d
GLP: yes

Biodegradation: > 0 %
Exposure time: 28 d
GLP: No data available

Concentration: 10 mg/l
Biodegradation: 64 %
Exposure time: 28 d
GLP: yes

Concentration: 20 mg/l
Biodegradation: 0.95 %
Exposure time: 28 d
GLP: yes

Concentration: 200 mg/l
Biodegradation: 89.5 %
Exposure time: 28 d
GLP: yes

Biodegradation: 4 %

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Exposure time: 28 d
GLP: No data available

Biodegradation: 45.6 %
Exposure time: 28 d
GLP: yes

Concentration: 12.6 mg/l
Biodegradation: 58 %
Exposure time: 28 d
GLP: yes

Concentration: 14.3 mg/l
Biodegradation: 66 %
Exposure time: 28 d
GLP: yes

Concentration: 15 mg/l
Biodegradation: 54 %
Exposure time: 28 d
GLP: yes

Biodegradation: 13.9 %
Exposure time: 28 d
GLP: yes

Concentration: 20 mg/l
Biodegradation: 56 %
Exposure time: 28 d
GLP: yes

Biodegradation: 14.7 %
Exposure time: 28 d
GLP: yes

Biodegradation: 13.6 %
Exposure time: 28 d
GLP: yes

Concentration: 12.6 mg/l
Biodegradation: 89 %
Exposure time: 28 d
GLP: yes

2-dimethylaminoethanol:

Biodegradability : Concentration: 100 mg/l
Biodegradation: 60.5 %
Exposure time: 14 d
GLP: no

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:

Biodegradability : Concentration: 17.6 mg/l
Biodegradation: 1 %
Exposure time: 28 d

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GLP: yes

Bioaccumulative potential

Components:

Rosin:

Bioaccumulation

: Bioconcentration factor (BCF): 56.23

Bioconcentration factor (BCF): 56.2

Bioconcentration factor (BCF): 3.16

Bioconcentration factor (BCF): 44.98

Bioconcentration factor (BCF): 7.60

Species: *Oncorhynchus mykiss* (rainbow trout)

Bioconcentration factor (BCF): 129

Exposure time: 20 d

Temperature: 59 °F / 15 °C

Concentration: 0.7 µg/l

Bioconcentration factor (BCF): 250.9

Bioconcentration factor (BCF): 1.47

Bioconcentration factor (BCF): 83,000

Bioconcentration factor (BCF): 7,748

Species: *Oncorhynchus mykiss* (rainbow trout)

Bioconcentration factor (BCF): 96

Exposure time: 20 d

Temperature: 59 °F / 15 °C

Concentration: 3.6 µg/l

Bioconcentration factor (BCF): 252

Bioconcentration factor (BCF): 108

Species: *Oncorhynchus mykiss* (rainbow trout)

Bioconcentration factor (BCF): 25

Exposure time: 20 d

Temperature: 59 °F / 15 °C

Concentration: 2.6 µg/l

Species: *Oncorhynchus mykiss* (rainbow trout)

Bioconcentration factor (BCF): 23

Exposure time: 20 d

Temperature: 59 °F / 15 °C

Concentration: 2.2 µg/l

Bioconcentration factor (BCF): 8.22

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Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 47
Exposure time: 20 d
Temperature: 59 °F / 15 °C
Concentration: 2.6 µg/l

Bioconcentration factor (BCF): 3,536

Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 69
Exposure time: 20 d
Temperature: 59 °F / 15 °C
Concentration: 2.1 µg/l

Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 92
Exposure time: 20 d
Temperature: 59 °F / 15 °C
Concentration: 3.2 µg/l

Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 34
Exposure time: 20 d
Temperature: 59 °F / 15 °C
Concentration: 2.7 µg/l

Bioconcentration factor (BCF): 107.1

Bioconcentration factor (BCF): 3,818

Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): < 25
Exposure time: 20 d
Temperature: 59 °F / 15 °C
Concentration: 1.1 µg/l

Bioconcentration factor (BCF): 102,000

Bioconcentration factor (BCF): 694,000

Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 72
Exposure time: 20 d
Temperature: 59 °F / 15 °C
Concentration: 2.8 µg/l

Partition coefficient: n-octanol/water

: log Pow: > 3 - 6.2
pH: 6
GLP: yes

log Pow: > 2.9 - < 5.7 (86 °F / 30 °C)
pH: 7
GLP: yes

log Pow: > 2.5 - < 7.6

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pH: 2
GLP: yes

log Pow: > 1.9 - 7.7
pH: 2
GLP: yes

log Pow: > 0.9 - < 6.6 (86 °F / 30 °C)
pH: 2
GLP: yes

log Pow: 1.93 - 6.03 (75 °F / 24 °C)
GLP: no

log Pow: > 2.3 - < 8.3
GLP: yes

2-dimethylaminoethanol:

Bioaccumulation : Species: Fish
Bioconcentration factor (BCF): 3.16

Partition coefficient: n-octanol/water : log Pow: -0.55 (73 °F / 23 °C)
log Pow: -0.987 - -0.935
pH: 4
GLP: no

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene:

Partition coefficient: n-octanol/water : log Pow: > 7.17 - < 8.17 (86 °F / 30 °C)
GLP: yes

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 : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water

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courses or the soil.

SECTION 14. TRANSPORT INFORMATION

International Regulations

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

Not applicable for product as supplied.

Domestic regulation

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
TOLUENE	108-88-3	100	100 (F005)

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 : 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.

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

 **WARNING:** This product can expose you to chemicals including Ethyl acrylate, which is/are known to the State of California to cause cancer, and TOLUENE, 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.

SECTION 16. OTHER INFORMATION

Further information

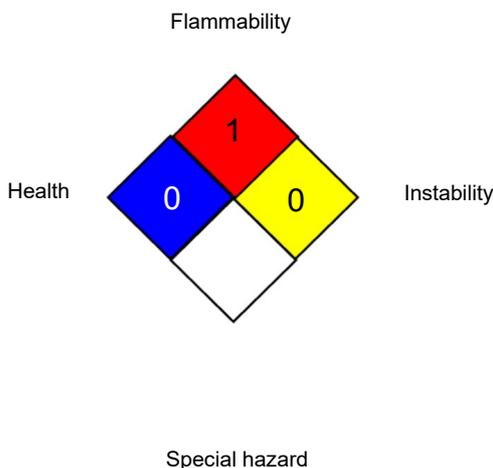
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NFPA 704:



HMIS® IV:

HEALTH	*	0
FLAMMABILITY		1
PHYSICAL HAZARD		0

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

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA : 8-hour, time-weighted average

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 Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Con-

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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.

US / EN