

Product name: SURFYNOL® 440

SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: SURFYNOL® 440

Chemical name:
Ethoxylated Acetylenic Diols

Other means of identification
CAS Number: 9014-85-1

Recommended restrictions
Recommended use: Industrial use
Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation
Nutrition & Care
7801 Whitepine Road
Richmond, VA 23237
USA

Telephone : +1 804 727 0700

Fax : +1 804 727 0845

E-mail : product-regulatory-services@evonik.com

Emergency telephone number:

24 Hour Emergency : +1 800 424 9300 (CHEMTREC - US & CANADA)
Telephone : 800 681 9531 (CHEMTREC MEXICO)
+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazards for the product as supplied

Health Hazards
Serious Eye Damage/Eye Irritation Category 1

Hazard(s) not otherwise classified (HNOC): None.

Label Elements

Hazard Symbol:

Product name: SURFYNOL® 440


Signal Word: Danger

Hazard Statement: Causes serious eye damage.

Precautionary Statements
Prevention: Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: 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.

Disposal: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

3. Composition/information on ingredients

Chemical name:
 Ethoxylated Acetylenic Diols

Substances

Chemical Identity	Common name and synonyms	CAS No./Unique ID	Content in percent (%) [*]	Trade Secret
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol		9014-85-1*	50 - <100%	TSC

^{*} Indicates that the identifier is a CAS No.

TSC- the actual concentration or concentration range is withheld as a trade secret

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition information of impurities and stabilizers

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
2,4,7,9-Tetramethyldec-5-yne-4,7-diol		126-86-3	3 - <5%

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures
General information: Immediately remove contaminated clothing.

Inhalation: fresh air supply, consult a doctor if feeling unwell.

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Skin Contact:	In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice
Ingestion:	Thoroughly clean the mouth with water In case of discomfort: Supply with medical care.
Personal Protection for First-aid Responders:	No data available.

Most important symptoms and effects, both acute and delayed

Symptoms:	Risk of serious damage to eyes.
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	Treat symptomatically.
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5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	foam, carbon dioxide, dry powder, water spray.
Unsuitable extinguishing media:	High volume water jet.
Special hazards arising from the substance or mixture:	In the event of fire the following can be released: - carbon dioxide, carbon monoxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

Special protective equipment and precautions for firefighters

Special fire fighting procedures:	No specific precautions.
Special protective equipment for fire-fighters:	Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus and wear protective suit

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment.
Accidental release measures:	No data available.
Methods and material for containment and cleaning up:	Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with the regulations.
Environmental Precautions:	Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

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7. Handling and storage

Handling

Technical measures:	No data available.
Local/Total ventilation:	No data available.
Safe handling advice:	Provide good ventilation of working area (local exhaust ventilation if necessary). Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.
Contact avoidance measures:	No data available.

Storage

Safe storage conditions:	Keep container tightly closed in a cool, well-ventilated place. Do not store together with oxidizing agents.
Safe packaging materials:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls	No data available.
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Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection:	Tightly fitting safety goggles
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Skin Protection

Hand Protection:	Additional Information: gloves made of chloroprene (CR, e.g. Neoprene), gloves made of nitril (NBR)
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Skin and Body Protection:	protective clothing
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Respiratory Protection:	in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2
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Hygiene measures:	Wash hands before breaks and at the end of workday. When using do not eat, drink or smoke. Remove soiled or soaked clothing immediately.
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9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Amber
Odor:	Mild
Odor Threshold:	not measured
Freezing point:	-4 °F/ -20 °C
Boiling Point:	556 °F/ 291 °C Method: OECD 103

Flammability: not measured

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:	not measured
Explosive limit - lower:	not measured
Flash Point:	> 230 °F/> 110 °C
Auto-ignition temperature:	> 635 - < 640 °F/> 335 - < 338 °C Method: ASTM E 659
Decomposition Temperature:	482 °F/250 °C
pH:	not measured

Viscosity

Dynamic viscosity:	81 mPa.s (95 °F/35 °C)
Kinematic viscosity:	82 mm ² /s (95 °F/35 °C), Method: calculated
Flow Time:	No data available.

Solubility(ies)

Solubility in Water:	2.89 g/l (77 °F/25 °C) Method: EC Method A.6
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	> 1.8 - < 2.5 (70 °F/21 °C) Method: EU Method A.8
Vapor pressure:	0.006 hPa (68 °F/20 °C) Method: OECD 104

0.33 mbar (68 °F/20 °C)

Relative density: not measured

Density: 0.98 g/cm³ (70 °F/21 °C)

0.984 g/cm³ (77 °F/25 °C)

Bulk density: No data available.

Relative vapor density: not measured

Particle characteristics: Not applicable.

Other information

Product name: SURFYNOL® 440

Explosive properties:	not measured
Oxidizing properties:	not oxidizing
Self-ignition:	not measured
Metal Corrosion:	Not corrosive to metals
Evaporation Rate:	not measured

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions".
Chemical Stability:	The product is stable under normal conditions.
Possibility of hazardous reactions:	No hazardous reactions with proper storage and handling
Conditions to avoid:	None with proper storage and handling.
Incompatible Materials:	Oxidizing agents.
Hazardous Decomposition Products:	None with proper storage and handling.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	Information on effects are given below.
Skin Contact:	Information on effects are given below.
Eye contact:	Information on effects are given below.
Ingestion:	Information on effects are given below.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Acute toxicity (list all possible routes of exposure)

Oral

Product:	LD 50, Rat, 6,300 mg/kg
Components:	
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	LD 50, Rat, 6,300 mg/kg
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	LD 50, Rat, Female, Male, > 5,000 mg/kg

Dermal

Product name: SURFYNOL® 440
Product: Not toxic after single exposure, No data available.

Components:

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol Not toxic after single exposure, No data available.

2,4,7,9-Tetramethyldec-5-yne-4,7-diol LD 50, Rabbit, > 5,000 mg/kg, OECD 402

Inhalation
Product: LC 50, Rat, 1 h, > 20 mg/l, Dust and mist
 LC 50, Rat, 4 h, > 5 mg/l, Dust and mist
 Vapour, Not toxic after single exposure, No data available.

Components:

 Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol LC 50, Rat, 1 h, > 20 mg/l, Dust and mist
 LC 50, Rat, 4 h, > 5 mg/l, Dust and mist
 Vapour, Not toxic after single exposure, No data available.

 2,4,7,9-Tetramethyldec-5-yne-4,7-diol LC 50, Rat, 4 h, > 5 mg/l, Dust and mist
 Vapour, Not toxic after single exposure, No data available.

Repeated dose toxicity
Product: NOAEL - No Observable Adverse Effect Level, Rat, Oral, daily, 6000 ppm
 NOAEL - No Observable Adverse Effect Level, Rat, Oral, daily, 1000 mg/kg

Components:

 Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol NOAEL - No Observable Adverse Effect Level, Rat, Oral, daily, 6000 ppm
 NOAEL - No Observable Adverse Effect Level, Rat, Oral, daily, 1000 mg/kg

 2,4,7,9-Tetramethyldec-5-yne-4,7-diol NOAEL - No Observable Adverse Effect Level, Rat, Oral, daily, 500 mg/kg
 NOAEL - No Observable Adverse Effect Level, Rat, Male, Oral, daily, 174 mg/kg, Own study
 NOAEL - No Observable Adverse Effect Level, Rat, Female, Oral, daily, 208 mg/kg, Own study

Skin Corrosion/Irritation
Product: Not irritating, 16 CFR 1500.41, (Rabbit, 24 h)

Components:

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol Not irritating, 16 CFR 1500.41, Rabbit, 24 h

2,4,7,9-Tetramethyldec-5-yne-4,7-diol Not irritating, OECD 404, Rabbit, 4 h

Serious Eye Damage/Eye Irritation
Product: Risk of serious damage to eyes., 16 CFR 1500.42, Rabbit

Components:

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol Risk of serious damage to eyes., 16 CFR 1500.42, Rabbit

2,4,7,9-Tetramethyldec-5-yne-4,7-diol Risk of serious damage to eyes., US-EPA-method, Rabbit

Respiratory or Skin Sensitization
Product: direct peptide binding assay, OECD 442 C, Not a skin sensitizer., Own study
 Human Cell Line Activation test (h-CLAT), OECD 442 E, Not a skin sensitizer., Own study

Product name: SURFYNOL® 440

Components:

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	direct peptide binding assay, OECD 442 C, Not a skin sensitizer., Own study Human Cell Line Activation test (h-CLAT), OECD 442 E, Not a skin sensitizer., Own study
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	Local Lymph Node Assay (LLNA), OECD 429, Mouse, Skin sensitizer

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

No data available.

In vitro

Components:

2,4,7,9-Tetramethyldec-5-yne-4,7-diol	Ames test, OECD 471: , negative, Own study Chromosomal aberration, OECD 473: , negative, Own study gene mutation test, OECD 476: , negative, Own study
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In vivo

Not classified based on available data.

Reproductive toxicity

Effects on fertility

Components:

2,4,7,9-Tetramethyldec-5-yne-4,7-diol	Species: Rat Route: Oral Dose: 0, 500, 1000, 2000 mg/kg bw/day General Toxicity Parent: NOAEL, 500 mg/kg bw/day General Toxicity F1: NOAEL, 500, mg/kg bw/day Test Type: Screening for reproductive/developmental toxicity Species: Rat, Male Strain: Sprague-Dawley Route: oral: feed Dose: 800, 2500, 7500 ppm Frequency of Treatment: 29 day(s) General Toxicity Parent: NOAEL, 174 mg/kg bw/day General Toxicity F1: NOAEL, 518, mg/kg bw/day Method: OECD 422 Result: Animal testing did not show any effects on fertility. GLP: GLP Remarks: Own study
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Test Type: Screening for reproductive/developmental toxicity

Product name: SURFYNOL® 440

Species: Rat, Female
Strain: Sprague-Dawley
Route: oral: feed
Dose: 800, 2500, 7500 ppm
Frequency of Treatment: 43 day(s)
General Toxicity Parent: NOAEL, 208 mg/kg bw/day
General Toxicity F1: NOAEL, 633, mg/kg bw/day
Method: OECD 422
Result: Animal testing did not show any effects on fertility.
GLP: GLP
Remarks: Own study

Effects on fetal development**Components:**

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Species: Rat
Strain: Sprague-Dawley
Route: oral: feed
Dose: 0, 500, 1000, 2000 mg/kg bw/day
General Toxicity Maternal: NOAEL, 500 mg/kg bw/day
Embryo-fetal toxicity: NOAEL, 500 mg/kg bw/day

Test Type: Teratogenicity
Species: Rat
Strain: Sprague-Dawley
Route: oral: feed
Dose: 1500, 5000, 15000 ppm
Duration of Single Treatment: 16 d
General Toxicity Maternal: NOAEL, 15,000 ppm
Teratogenicity: NOAEL, 15,000 ppm
Method: OECD 422
Result: No adverse effects
GLP: GLP

Reproductive toxicity - Assessment

Product: Reproductive toxicity: No data available.
Teratogenicity: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: Not classified

Components:

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Not applicable

Information on health hazards**Other hazards**

Product: No data available.

Product name: SURFYNOL® 440

12. Ecological information

Ecotoxicity:

Toxicity to Aquatic Plants

Product: EC 50, Skeletonema costatum (marine diatom), 72 h, 105 mg/l

Components:

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol EC 50, Skeletonema costatum (marine diatom), 72 h, 105 mg/l

2,4,7,9-Tetramethyldec-5-yne-4,7-diol ErC10, Selenastrum capricornutum (green algae), 72 h, 15 mg/l, OECD 201

ErC50, Selenastrum capricornutum (green algae), 72 h, 82 mg/l, OECD 201

Toxicity to microorganisms

Product: No data available.

Toxicity to soil dwelling organisms

Product: No data available.

Components:

2,4,7,9-Tetramethyldec-5-yne-4,7-diol N-Transformation, NOEC, soil microorganisms, 28 d, 97.7 mg/kg, N-Transformation, OECD 216, GLP

Toxicity to terrestrial organisms

Product: No data available.

Components:

2,4,7,9-Tetramethyldec-5-yne-4,7-diol EC 10, 3.84 mg/kg, dry weight Shoot, OECD 208, GLP

Acute hazards to the aquatic environment:

Fish

Product: LC 50, Scophtalmus maximus (turbot), 96 h, 52 mg/l/OECD 203, salt water Own study

Components:

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol LC 50, Scophtalmus maximus (turbot), 96 h, 52 mg/l/OECD 203, salt water Own study

2,4,7,9-Tetramethyldec-5-yne-4,7-diol LC 50, Cyprinus carpio, 96 h, 42 mg/l/OECD 203, Own study

Aquatic Invertebrates

Product: LC 50, Acartia tonsa, 48 h, 166 mg/l, salt water

Components:

Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol LC 50, Acartia tonsa, 48 h, 166 mg/l, salt water

2,4,7,9-Tetramethyldec-5-yne-4,7-diol EC 50, Daphnia magna, 91 mg/l/OECD 202, Own study

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

2,4,7,9-Tetramethyldec-5-yne-4,7-diol NOEC, Danio rerio, 35 d, > 10 mg/l, OECD 210

Product name: SURFYNOL® 440

Aquatic Invertebrates

Product:	LC 50, Corophium volutator, 10 d, 533 mg/l
Components:	
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	LC 50, Corophium volutator, 10 d, 533 mg/l
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	NOEC, Daphnia magna, 21 d, > 10 mg/l, OECD 211

Persistence and Degradability

Biodegradation

Product:	1 %, 28 d, OECD 301 D, The product is not biodegradable.
Components:	
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	1 %, 28 d, OECD 301 D, The product is not biodegradable.
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	< 10 %, 60 d, OECD 309, aerobic

BOD/COD Ratio

No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	Cyprinus carpio, 17.00, (analogy) Cyprinus carpio, < 24, (analogy)

Partition Coefficient n-octanol / water (log Kow)

Product:	> 1.8 - < 2.5, 21 °C, EU Method A.8
Components:	
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	2.8, 22 °C, OECD 117, Yes

Mobility in soil:

Components:	
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	water / soil: - Log Koc: 1.48 Koc: 30 OECD 106)

Results of PBT and vPvB assessment:

No data available.

Other adverse effects:

Additional ecological information

Product:	Do not allow to enter soil, waterways or waste water canal.
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13. Disposal considerations

Disposal methods:	In accordance with local authority regulations, take to special waste incineration plant
Contaminated Packaging:	If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

Product name: SURFYNOL® 440

14. Transport information**Domestic regulation****49 CFR**

Not regulated as a dangerous good

Remarks : Not dangerous according to transport regulations.

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.

15. Regulatory information**US Federal Regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721 and 725, Subpt E)

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

CERCLA Hazardous Substance List (40 CFR 302.4):

Reportable Quantity not reasonably exceeded.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Serious eye damage or eye irritation

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

US. EPCRA (SARA Title III) Section 313 Toxic Chemical Release Inventory (TRI) Reporting

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

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Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

Inventory Status:

US TSCA Inventory:

Included on Inventory.

Canada DSL Inventory List:

Included on Inventory.

16. Other information, including date of preparation or last revision

HMIS Hazard ID

Health	<input type="text" value="2"/>
Flammability	<input type="text" value="1"/>
Physical Hazards	<input type="text" value="0"/>
PERSONAL PROTECTION	B

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

Version #: 3.0

Revision Date: 09/02/2025

Date of first report version: 03/13/2019

Abbreviations and acronyms:

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

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Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further Information: No data available.

Revision Information Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

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