

Version: 4.0

Date of previous report version: 05/04/2023

Revision: 09/08/2025

Date of first report version: 03/13/2019

# **SAFETY DATA SHEET**

Classified in accordance with 29 CFR 1910.1200

# 1. Identification

Product identifier: TEGO® Glide 494

Chemical name: Emulsion of silicone oil

Other means of identification

None.

**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
Reproductive toxicity Category 2

Hazard(s) not otherwise

None.

classified (HNOC):

**Label Elements** 

**Hazard Symbol:** 



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Signal Word: Danger

**Hazard Statement:** 

Causes serious eye damage. Suspected of damaging fertility.

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/

face protection/ hearing 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 or doctor/ physician. IF exposed or concerned: Get

medical advice/attention.

Storage: Store locked up.

**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:**

Emulsion of silicone oil

# **Mixtures**

Chemical Identity	Common name and synonyms	CAS No./Unique ID	Content in percent (%)*	Trade Secret
Isotridecanol, ethoxylated		9043-30-5*	3 - <5%	TSC
Alcohols, C16-18, ethoxylated		68439-49-6*	1 - <2.5%	TSC
octamethylcyclotetrasiloxane		556-67-2*	0.1 - <1%	TSC
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)		55965-84-9*	0.001 - <0.1%	TSC

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

The exact concentration has been withheld as a trade secret.

# 4. First-aid measures

# Description of first aid measures

**General information:** Remove soiled or soaked clothing immediately

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

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.



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

**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.

# 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 monoxide, carbon dioxide, silicon dioxide 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. Self-

contained breathing apparatus.

# 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:

Take up with absorbent material (eg sand, diatomaceous earth, universal binder) Dispose of absorbed material in

accordance with the regulations.



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**Environmental Precautions:**Do not allow to enter drains or waterways Prevent product

from getting into subsoil/soil.

# 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. Protect from heat and direct sunlight Homogenise before using. Protect from frost. Do not store < 5 °C Keep at

temperature not exceeding 40°C.

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.

Individual protection measures, such as personal protective equipment (PPE)

**Eye/face protection:** Tightly fitting safety goggles

**Skin Protection** 

**Hand Protection:** Material: Nitrile rubber.

Break-through time: 480 min

Skin and Body Protection: protective clothing

**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 immediately after handling

the product. When using do not eat, drink or smoke. Remove soiled or soaked clothing immediately.

# 9. Physical and chemical properties

Information on basic physical and chemical properties

**Appearance** 

Physical state: liquid
Form: liquid
Color: White

Odor: specific to the product

Odor Threshold: not measured Freezing point: not measured

**Boiling Point:** 194 - 212 °F/ 90 - 100 °C

Flammability: not measured
Upper/lower limit on flammability or explosive limits
Explosive limit - upper: not measured
Explosive limit - lower: not measured

Flash Point:  $> 212 \,^{\circ}\text{F/}> 100 \,^{\circ}\text{C}$ 

Method: DIN EN ISO 2719

Auto-ignition temperature: not measured

**Decomposition Temperature:** not measured pH: 6 - 8 (77 °F/25 °C)

Concentration: 100 %

Viscosity

**Dynamic viscosity:** 500 mPa.s (77 °F/25 °C )

Method: DIN 53015

**Kinematic viscosity:** 500 mm2/s (77 °F/25 °C),

Method: calculated

Flow Time: No data available.

Solubility(ies)

Solubility in Water: miscible

Solubility (other): not measured

Partition coefficient (n-octanol/water): not measured

Vapor pressure: not measured

Relative density: not measured

**Density:** 1 g/cm3 (77 °F/25 °C)

Method: DIN 12791

Bulk density: No data available.

Relative vapor density: not measured

Particle characteristics: Not applicable.

Other information



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**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: direct sunlight Freezing.

**Incompatible Materials:** Not known.

**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:** ATEmix, 45,977.01 mg/kg

Components:

Alcohols, C16-18,

Isotridecanol, ethoxylated

LD 50, Rat, > 2,000 mg/kg

ethoxylated Not toxic after single exposure, No classification octamethylcyclotetrasiloxa LD 50, Rat, Male, > 5,000 mg/kg, OECD 401

US

Reaction mass of: 5-LD 50, Rat, Male, 64 mg/kg, OECD 401

chloro-2-methyl-4-

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Not toxic after single exposure, No data available.



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isothiazolin-3-one [EC no.247-500-7] and 2methyl-2H-isothiazol-3one [EC no.220-239-6] (3:1)

**Dermal** 

**Product:** 

Not classified for acute toxicity based on available data.

Components:

Isotridecanol, ethoxylated Alcohols, C16-18,

ethoxylated

octamethylcyclotetrasiloxa

ne

Reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no.247-500-7] and 2methyl-2H-isothiazol-3one [EC no.220-239-6] (3:1)

Not toxic after single exposure. No data available. Not toxic after single exposure. No data available.

LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 402

LD 50, Rabbit, Male, 87.12 mg/kg, OECD 402

Inhalation

**Product:** Components:

Isotridecanol, ethoxylated

Alcohols, C16-18, ethoxylated octamethylcyclotetrasiloxa

Reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no.247-500-7] and 2methyl-2H-isothiazol-3one [EC no.220-239-6] (3:1)

Not classified for acute toxicity based on available data.

Not toxic after single exposure, No data available., Vapour Not toxic after single exposure, No data available., Dust and mist Vapour, Not toxic after single exposure, No data available. Dust and mist, Not toxic after single exposure, No data available. LC 50, Rat, Female, Male, 4 h, 36 mg/l, OECD 403, Vapour Not toxic after single exposure, Dust and mist, No data available. LC 50, Rat, Female, Male, 4 h, 0.33 mg/l, Dust and mist, OECD 403 Vapour, Not toxic after single exposure, Not applicable

Repeated dose toxicity

**Product:** 

No data available.

Components:

octamethylcyclotetrasiloxa

ne

NOAEC, Rat, Female, Male, Inhalation, Vapour, 5 days/weeks, 6 hours/day, 1.8 mg/l, Subchronic toxicity

LOAEC, Rat, Female, Male, Inhalation, Vapour, 5 days/weeks, 6

hours/day, 8.5 mg/l, chronic

NOAEC, Rat, Female, Male, Inhalation, Vapour, 5 days/weeks, 6

hours/day, 0.36 mg/l, Subacute toxicity

Skin Corrosion/Irritation

**Product: Components:**  No data available.

octamethylcyclotetrasiloxa

ne

Not irritating, OECD 404, Rabbit



Reaction mass of: 5-

chloro-2-methyl-4isothiazolin-3-one [EC no.247-500-7] and 2methyl-2H-isothiazol-3one [EC no.220-239-6] Version: 4.0

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Serious Eye Damage/Eye Irritation

**Product:** No data available.

Components:

Isotridecanol, ethoxylated

Alcohols, C16-18,

ethoxylated octamethylcyclotetrasiloxa

ne

(3:1)

Reaction mass of: 5-chloro-2-methyl-4-

isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6]

(3:1)

Risk of serious damage to eyes., CESIO

Irritating., CESIO

Corrosive.

Moderately irritating, CESIO Not irritating, OECD 405, Rabbit

Risk of serious damage to eyes.

Respiratory or Skin Sensitization

**Product:** No data available.

Components:

octamethylcyclotetrasiloxa

ne

Magnussona i Kligmana., OECD 406, Rabbit, Not a skin sensitizer.

Sensitization test, Human, Not a skin sensitizer.

Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer.

Strong skin sensitizer.

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6]

(3:1)

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:



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octamethylcyclotetrasiloxa

ne

Ames test, OECD 471: , negative

Chromosomal aberration, OECD 473: , negative gene mutation test, OECD 476: , negative

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6]

Ames test, OECD 471:, negative

### In vivo

(3:1)

#### **Components:**

octamethylcyclotetrasiloxa

ne

Micronucleus test, OECD 474, Inhalation - vapor, Rat, negative Chromosomal aberration, OECD 478, Oral, Rat, negative

Chromosomal aberration, OECD 475, Inhalation - vapor, Rat, Female,

Male, negative

# Reproductive toxicity Effects on fertility

Not classified based on available data.

#### Effects on fetal development

Not classified based on available data.

# **Reproductive toxicity - Assessment**

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

Teratogenicity: No data available.

Components:

octamethylcyclotetrasiloxa

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

Suspected of damaging fertility.

# 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:

Isotridecanol, ethoxylated Not classified Alcohols, C16-18, Not applicable

ethoxylated

octamethylcyclotetrasiloxa Not classified

ne

Reaction mass of: 5-

Not classified

chloro-2-methyl-4isothiazolin-3-one [EC no.247-500-7] and 2methyl-2H-isothiazol-3one [EC no.220-239-6]

(3:1)



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#### Information on health hazards

Other hazards

**Product:** No data available.

# 12. Ecological information

**Ecotoxicity:** 

ne

**Toxicity to Aquatic Plants** 

**Product:** No data available.

Components:

octamethylcyclotetrasiloxa

EC 50, Algae (Pseudokirchneriella subcapitata), 96 h, > 22  $\mu$ g/l, US-

**EPA-method** 

NOEC, Algae (Pseudokirchneriella subcapitata), 96 h, < 22 μg/l, US-

**EPA-method** 

EC 50, Algae (Pseudokirchneriella subcapitata), 96 h, > 22 μg/l, US-

**EPA-method** 

Toxicity to microorganisms

**Product:** No data available.

Toxicity to soil dwelling organisms

**Product:** No data available.

Toxicity to terrestrial organisms

**Product:** No data available.

#### Acute hazards to the aquatic environment:

Fish

**Product:** No data available.

Components:

octamethylcyclotetrasiloxa LC 50, Oncorhynchus mykiss, 96 h, > 22 µg/IUS-EPA-method

e NOEC, Oncorhynchus mykiss, 96 h, 22 μg/IUS-EPA-method

**Aquatic Invertebrates** 

**Product:** No data available.

Components:

octamethylcyclotetrasiloxa NOEC, Daphnia magna, 48 h, 15 µg/IUS-EPA-method

ne EC 50, Daphnia magna, 48 h, > 15 μg/IUS-EPA-method

#### Chronic hazards to the aquatic environment:

**Fish** 

**Product:** No data available.

Components:

octamethylcyclotetrasiloxa NOEC, Oncorhynchus mykiss, 93 d, 4.4 μg/l, US-EPA-method

ne

ne

**Aquatic Invertebrates** 

**Product:** No data available.

Components:

octamethylcyclotetrasiloxa NOEC, Daphnia magna, 21 d, 15 µg/l, EPA OTS 797.1330

Lowest Observed Effect Concentration, Daphnia magna, 21 d, 15 μg/l,

EPA OTS 797.1330

EC 50, Daphnia magna, 21 d, > 15 μg/l, EPA OTS 797.1330

# Persistence and Degradability



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**Biodegradation** 

Product: No data available.

**Components:** 

Alcohols, C16-18,

The product is easily biodegradable.

ethoxylated

octamethylcyclotetrasiloxa 3.7 %, 28 d, OECD 310, The product is not biodegradable., aerobic

ne

Reaction mass of: 5chloro-2-methyl-4isothiazolin-3-one [EC no.247-500-7] and 2methyl-2H-isothiazol-3one [EC no.220-239-6] (3:1)

The product is easily biodegradable.

# **BOD/COD Ratio**

No data available.

#### Bioaccumulative potential

**Bioconcentration Factor (BCF)** 

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

**Product:** not measured

Components:

octamethylcyclotetrasiloxa 6.488, 25.1 °C, OECD 123

Mobility in soil:

**Product:** No data available.

# 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. Based on

expert judgement and on experimental data within an analogue approach, the maximum estimated aqueous concentration of typical impurities of siloxane polymers, migrating into water is below their established no-effect threshold value for aquatic organisms.

# 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.

# 14. Transport information

# **Domestic regulation**



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#### **49 CFR**

Not regulated as a dangerous good

# **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, Reproductive toxicity

# 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).

# 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)

Reportable Quantity not reasonably exceeded.



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# **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		2
Flammability		1
Physical Hazards		0
PERSONAL PROTECTION		В

B - Safety Glasses & Gloves

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

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#### 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 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



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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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