

SCAVTREAT 17248

Page 1

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

SECTION 1. IDENTIFICATION

Identification of the company:	Clariant Produkte (Deutschland) GmbH Frankfurt am Main, 65926 Telephone No.: +49 69 305 18000
Information of the substance/preparation:	Product Stewardship, +1-704-331-7710 e-mail: SDS.NORAM@clariant.com
Emergency tel. number:	+1 800-424-9300 CHEMTREC

Trade name:	SCAVTREAT 17248
Material number:	100008603
CAS number:	66204-44-2
Primary product use:	Hydrogen sulfide scavenger
Chemical family:	3,3'-Methylenbis[5-methyloxazolidine]

SECTION 2. HAZARDS IDENTIFICATION

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

Flammable liquids	: Category 4
Acute toxicity (Oral)	: Category 4
Acute toxicity (Inhalation)	: Category 4
Acute toxicity (Dermal)	: Category 3
Skin corrosion	: Category 1B
Serious eye damage	: Category 1
Skin sensitisation	: Sub-category 1A
Germ cell mutagenicity	: Category 2
Carcinogenicity	: Category 1B
Specific target organ toxicity - repeated exposure (Oral)	: Category 2 (Gastrointestinal tract)

GHS label elements

SCAVTREAT 17248

Page 2

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

Hazard pictograms

:



Signal word

: Danger

Hazard statements

:
H227 Combustible liquid.
H302 + H332 Harmful if swallowed or if inhaled.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H373 May cause damage to organs (Gastrointestinal tract) through prolonged or repeated exposure if swallowed.

Precautionary statements

:
Prevention:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P260 Do not breathe mist or vapours.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

SCAVTREAT 17248

Page 3

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
Substance name : 3,3'-Methylenbis[5-methyloxazolidine]
CAS-No. : 66204-44-2

Components

Chemical name	CAS-No.	Concentration (% w/w)
3,3'-Methylenebis[5-methyloxazolidine]	66204-44-2	>= 90 - <= 100

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : Remove/ Take off immediately all contaminated clothing.
Get medical advice/ attention if you feel unwell.

If inhaled : Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
Get immediate medical advice/ attention.

In case of skin contact : Remove contaminated clothing and shoes.
Wash off with soap and plenty of water.
Wash off immediately with plenty of water for at least 15 minutes.
Get medical attention if irritation develops and persists.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,
for at least 15 minutes.
Get immediate medical advice/ attention.

If swallowed : Rinse mouth.

SCAVTREAT 17248

Page 4

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
Get medical advice/ attention.

- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).
No additional symptoms are known.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet
Alcohol-resistant foam
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : In case of fires, hazardous combustion gases are formed:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
- Further information : In the event of fire and/or explosion do not breathe fumes.
Do not allow run-off from fire fighting to enter drains or water courses.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling.
- Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
- Methods and materials for containment and cleaning up : Prevent product from entering drains.
Non-sparking tools should be used.
Take measures to prevent the build up of electrostatic charge.
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

SCAVTREAT 17248

Page 5

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

Clean contaminated surface thoroughly.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Observe the general rules of industrial fire protection
- Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.
For personal protection see section 8.
Avoid contact with skin, eyes and clothing.
Use only with adequate ventilation.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Keep away from heat, sparks and open flames. Store in proper container and keep container closed when not in use.
- Further information on storage conditions : Store in original container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

- Engineering measures** : Use engineering controls such as local or general exhaust to maintain airborne concentrations below exposure limits.

Personal protective equipment

- Respiratory protection : Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure
Full mask, filter A
Full mask to standard DIN EN 136
Filter class 2
The use of filter apparatus presupposes that the environment atmosphere contains at least 17% oxygen by volume, and does not exceed the maximum gas concentration, usually 0.5% by volume. Relevant guidelines to be considered include EN 136/141/143/371/372 as well as other national regulations.
Applicable national Regulations must be observed. Take note of the limitations regarding wear-time, in conjunction with the Regulations for the use of Respiratory Protective Equipment.
- Hand protection
Remarks : Chemical resistant gloves (butyl rubber, nitrile rubber, polyvinyl alcohol). However, please note that PVA degrades in water.

SCAVTREAT 17248

Page 6

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

- Eye protection : Chemical splash goggles with face shield.
- Skin and body protection : Dermal contact should be prevented through the use of impervious clothing, footwear, and a face shield where splattering may occur.
- Protective measures : Observe the usual precautions for handling chemicals. Avoid contact with skin and eyes.
- Hygiene measures : Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Liquid
- Colour : colourless
- Odour : characteristic
- Odour Threshold : cannot be determined
- pH : (not an aqueous solution)
- Melting point : Not applicable
- Initial boiling point and boiling range : ca. 390 °F / 199 °C
- Flash point : 163 °F / 73 °C
- Evaporation rate : not determined
- Self-ignition : Not applicable
- Upper explosion limit / upper flammability limit : Not applicable for Liquids with Flash Point > 70 °C.
- Lower explosion limit / Lower flammability limit : Not applicable for Liquids with Flash Point > 70 °C.
- Vapour pressure : ca. 0.014 mbar (68 °F / 20 °C)

SCAVTREAT 17248

Page 7

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

Relative vapour density	:	no data available
Relative density	:	ca. 1.049 (68 °F / 20 °C)
Density	:	no data available
Bulk density	:	Not applicable
Solubility(ies)		
Water solubility	:	ca. 999 g/l (68 °F / 20 °C)
Solubility in other solvents	:	999 g/l (68 °F / 20 °C) Solvent: Water
Partition coefficient: n-octanol/water	:	log Pow: ca. -0.3 (77 °F / 25 °C) Method: Tested according to Directive 92/69/EEC.
Auto-ignition temperature	:	no data available
Decomposition temperature	:	no data available
Viscosity		
Viscosity, dynamic	:	ca. 21 mPa.s (68 °F / 20 °C)
Viscosity, kinematic	:	no data available
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Surface tension	:	ca. 68.1 N/m, OECD Test Guideline 115
Refractive index	:	1.469 - 1.479 (68 °F / 20 °C)
Metal corrosion rate	:	Not applicable
Particle size	:	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Keep away from heat and sources of ignition.

SCAVTREAT 17248

Page 8

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

Incompatible materials	:	None.
Hazardous decomposition products	:	At high temperatures: thermal decomposition giving toxic products. Carbon dioxide (CO ₂) Carbon monoxide Nitrogen oxides (NO _x) Smoke

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation
Eye contact
Skin contact
Ingestion

Acute toxicity**Product:**

Acute oral toxicity	:	Remarks: no data available
Acute inhalation toxicity	:	Remarks: no data available
Acute dermal toxicity	:	Remarks: no data available

Components:**3,3'-Methylenebis[5-methyloxazolidine]:**

Acute oral toxicity	:	LD50 (Rat, male and female): 630 mg/kg Method: OECD Test Guideline 423
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 1 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 436 Assessment: Corrosive to the respiratory tract.
Acute dermal toxicity	:	LD50 (Rat, female): > 760 mg/kg Method: OECD Test Guideline 402

Skin corrosion/irritation**Product:**

Remarks: no data available

Components:**3,3'-Methylenebis[5-methyloxazolidine]:**

SCAVTREAT 17248

Page 9

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

Result: Causes burns.

Serious eye damage/eye irritation**Product:**

Remarks: no data available

Components:**3,3'-Methylenebis[5-methyloxazolidine]:**

Result: Risk of serious damage to eyes.

Respiratory or skin sensitisation**Product:**

Remarks: no data available

Components:**3,3'-Methylenebis[5-methyloxazolidine]:**

Result: The product is a skin sensitiser, sub-category 1A.

Germ cell mutagenicity**Product:**

Germ cell mutagenicity - Assessment : No information available.

Components:**3,3'-Methylenebis[5-methyloxazolidine]:**

Germ cell mutagenicity - Assessment : Suspected of inducing heritable mutations in the germ cells of humans.

Carcinogenicity**Product:**

Carcinogenicity - Assessment : No information available.

Components:**3,3'-Methylenebis[5-methyloxazolidine]:**

Carcinogenicity - Assessment : Sufficient evidence of carcinogenicity in animal experiments

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

SCAVTREAT 17248

Page 10

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

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 component 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:**

Reproductive toxicity - : No information available.
Assessment No information available.

STOT - single exposure**Product:**

Remarks: no data available

STOT - repeated exposure**Product:**

Remarks: no data available

Components:**3,3'-Methylenebis[5-methyloxazolidine]:**

Exposure routes: Oral

Target Organs: Gastrointestinal tract

Assessment: May cause damage to organs through prolonged or repeated exposure.

Exposure routes: Inhalation

Target Organs: Respiratory Tract

Repeated dose toxicity**Product:**

Remarks: no data available

Aspiration toxicity**Product:**

no data available

Experience with human exposure**Product:**

General Information : The possible symptoms known are those derived from the

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

labelling (see section 2).

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**Toxicity to fish :
Remarks: no data availableToxicity to daphnia and other :
aquatic invertebrates Remarks: no data availableToxicity to algae/aquatic :
plants Remarks: no data available

Toxicity to microorganisms : Remarks: no data available

Components:**3,3'-Methylenebis[5-methyloxazolidine]:**Toxicity to fish : LC50 (Danio rerio (zebra fish)): 71 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 29 mg/l
aquatic invertebrates Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202Toxicity to algae/aquatic : EC10 (Desmodesmus subspicatus (green algae)): 1.3 mg/l
plants Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201EC50 (Desmodesmus subspicatus (green algae)): 2.6 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201Toxicity to fish (Chronic : Remarks: not reasonable
toxicity)Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): 1.3 mg/l
aquatic invertebrates Exposure time: 21 d
(Chronic toxicity) Test Type: semi-static test
Method: OECD Test Guideline 211**Ecotoxicology Assessment**

SCAVTREAT 17248

Page 12

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Persistence and degradability**Product:**

Biodegradability : Remarks: no data available

Components:**3,3'-Methylenebis[5-methyloxazolidine]:**

Biodegradability : aerobic
Result: Readily biodegradable.
Biodegradation: 89.8 %
Exposure time: 29 d
Method: OECD Test Guideline 301B

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: no data available

Mobility in soil**Product:**

Distribution among environmental compartments : Remarks: no data available

Other adverse effects**Product:**

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

RCRA - Resource Conservation and Recovery Act : This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code : NONE

Waste from residues : Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

SCAVTREAT 17248

Page 13

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

SECTION 14. TRANSPORT INFORMATION**DOT Regulation:**

UN/NA-number: UN 2922
Proper shipping name: Corrosive liquids, toxic, n.o.s.
Technical Name: 3,3'-Methylenebis[5-methyloxazolidine]

Primary hazard class: 8
Subsidiary hazard class: 6.1
Packing group: II
Emergency Response Guide: 154

IATA

UN/ID number: UN 2922
Proper shipping name: Corrosive liquid, toxic, n.o.s.
Hazard inducer(s): 3,3'-Methylenebis[5-methyloxazolidine]

Primary risk: 8
Subsidiary risk: 6.1
Packing group: II
Remarks: Shipment permitted

IMDG

UN no.: UN 2922
Proper shipping name: Corrosive liquid, toxic, n.o.s.
Hazard inducer(s): 3,3'-Methylenebis[5-methyloxazolidine]

Primary risk: 8
Subsidiary risk: 6.1
Packing group: II
EmS: F-A S-B

SECTION 15. REGULATORY INFORMATION**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

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

: Flammable (gases, aerosols, liquids, or solids)
Acute toxicity (any route of exposure)
Respiratory or skin sensitisation
Germ cell mutagenicity
Carcinogenicity
Specific target organ toxicity (single or repeated exposure)
Skin corrosion or irritation

SCAVTREAT 17248

Page 14

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

Serious eye damage or eye irritation

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

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

TSCA : All components are compliant with the TSCA Inventory Notification (Active) rule., This product is subject to a TSCA Section 5(a)(2) Significant New Use Rule (SNUR) under 40 CFR 721.10461. This product must be used only for hydrogen sulfide scavenging applications in the oil field and used in enclosed systems only. This product cannot be released into surface waters at above 40 ppb for saltwater and 100 ppb for freshwater., This substance requires export notification under TSCA 12(b)

TSCA list

TSCA - 12(b) Export Notification List of Chemicals:

3,3'-Methylenebis[5-methyloxazolidine]

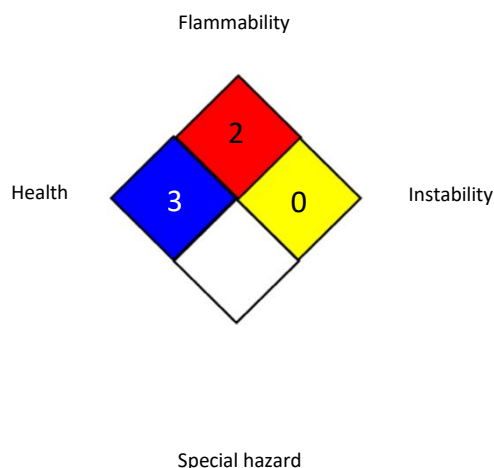
66204-44-2

TSCA - 5(a) Significant New Use Rule List of Chemicals:

3,3'-Methylenebis[5-methyloxazolidine]

66204-44-2

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-

Substance key: 000000852134

Revision Date: 02/01/2022

Version : 1 - 0 / USA

Date of printing :02/18/2022

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

Observe national and local legal requirements
For additional information, contact Product Stewardship.

Revision Date : 02/01/2022

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