

Safety Data Sheet

according to OSHA Hazard Communication Standard

Date of issue: 10/08/2024

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Version: 0

SECTION 1: Identification

1.1. Product name

Product name 257022 Tork Constant Air Freshener Odor Neutralizer

1.2. Manufacturer or supplier's details

Company name of supplier Essity Professional Hygiene North America

Address P.O. Box 2400
Neenah, WI 54957-2400

Telephone +1-800-424-9300

Emergency telephone CHEMTREC: 1-800-424-9300 (24-Hour)
Customer Service: Essity Professional Hygiene North America 1-866-722-8675

E-mail address info@essity.com

1.3. Recommended use of the chemical and restrictions on use

Recommended use Perfumes

Restrictions on use Not applicable

SECTION 2: Hazards identification

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

Flammable liquids Category 4

Skin sensitization Category 1

2.2. GHS Label elements

Hazard pictograms



Signal Word: Warning

Hazard Statements:

H227 Combustible liquid.
H317 May cause an allergic skin reaction.

Precautionary Statements

Prevention:

P210 Keep away from heat, sparks, open flame and hot surfaces. No smoking.
P261 Avoid breathing mist or vapors.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves, eye protection and face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical attention.
P363 Wash contaminated clothing before reuse.

Storage:

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

57022 Tork Constant Air Freshener Odor Neutralizer

Safety data sheet

according to OSHA Hazard Communication Standard (HCS) 2012

Disposal:

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

Other Hazards:

Vapors may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.1. Substance/Mixture

Mixture

Components:

Chemical name	CAS No	Concentration (% w/w)
Dimethyl octadienol	78-70-6	$\geq 5 - < 10$
3,7-Dimethyl 2,6-octadienal	5392-40-5	$\geq 0.1 - < 1$

Actual concentration is withheld as a trade secret

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	May cause an allergic skin reaction.
Protection of first aiders	First Aid responders should pay attention to self-protection and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Water spray. Alcohol-resistant foam Carbon dioxide (CO₂) Dry chemical

5.2. Unsuitable extinguishing media

High volume water jet

5.3. Specific hazards during fire fighting

Do not use a solid water stream as it may scatter and spread fire.
Flash back possible over considerable distance.
Vapors may form explosive mixtures with air.
Exposure to combustion products may be a hazard to health.

5.4. Hazardous Combustion Products

Carbon oxides.

57022 Tork Constant Air Freshener

Odor Neutralizer

Safety data sheet

according to OSHA Hazard Communication Standard (HCS) 2012

5.5. Specific extinguishing methods

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

5.6. Protective equipment and precautions for firefighters

In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6: Accidental release measure

6.1. Personal precautions, protective equipment and emergency procedure

Remove all sources of ignition. Use personal protective equipment.

Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

6.2. Environmental precautions

Avoid release to the environment.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g., by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

Non-sparking tools should be used.
Soak up with inert absorbent material.
Suppress (knock down) gases/vapors/mists with a water spray jet.
For large spills, provide diking or other appropriate contain-ment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor-bent.
Local or national regulations may apply to releases and dispo-sal of this material, as well as those materials and items em-ployed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7: Handling and storage

7.1. Handling and storage

Technical measures	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	Do not get on skin or clothing. Avoid breathing mist or vapors. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	Keep in properly labeled containers. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition.
Materials to avoid	Do not store with the following product types Strong oxidizing agents Explosives Gases
Recommended storage temperature	50 - 86 °F / 10 - 30 °C

57022 Tork Constant Air Freshener Odor Neutralizer

Safety data sheet

according to OSHA Hazard Communication Standard (HCS) 2012

SECTION 8: Exposure controls/personal protection

8.1. Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
3,7-Dimethyl 2,6-octadienal	5392-40-5	TWA (Inhalable fraction and vapor)	5 ppm	ACGIH

8.2. Engineering measures

Engineering Measures Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

8.3. Personal protective equipment

Respiratory protection General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection:

Material

Chemical-resistant gloves

Breakthrough time

> 10 min

Remarks

Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the forementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection

Wear the following personal protective equipment:
Safety glasses

Skin and body protection

Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.

Wear the following personal protective equipment:

If assessment demonstrates that there is a risk of explosive atmospheres or flash fires, use flame retardant antistatic protective clothing.

Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures

If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.

When using do not eat, drink or smoke.

Contaminated work clothing should not be allowed out of the workplace.

Wash contaminated clothing before re-use.

SECTION 9: Physical and chemical properties

9.1. Physical and Chemical Properties

Appearance	Liquid
Color	Red
Odor	Fruity
Odor Threshold	No data available
pH	Substance/mixture is non-soluble (in water)
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	149 °F / 65 °C Method: closed cup
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable

57022 Tork Constant Air Freshener

Odor Neutralizer

Safety data sheet

according to OSHA Hazard Communication Standard (HCS) 2012

Flammability (liquids)	No data available
Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Vapor pressure	0.37 hPa (68 °F / 20 °C)
Relative vapor density	No data available
Relative density	No data available
Density	0.9892 g/cm ³ (68 °F / 20 °C)
Solubility(ies)	Practically insoluble
Water solubility	
Partition coefficient: Noctanol/water	Not applicable
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Explosive properties	Not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.
Particle characteristics: Particle size	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Not classified as a reactivity hazard.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Combustible liquid.
Vapors may form explosive mixture with air.
Can react with strong oxidizing agents.

10.5. Conditions to avoid

Heat, flames and sparks.

10.6. Incompatible materials

Oxidizing agents

10.7. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Toxicological information

Product Information

Inhalation

Eye contact

Skin contact

Ingestion

Acute toxicity:

Not classified based on available information.

Product:

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

Dimethyl octadienol:	
Acute oral toxicity	LD50 (Rat): 2,790 mg/kg

57022 Tork Constant Air Freshener

Odor Neutralizer

Safety data sheet

according to OSHA Hazard Communication Standard (HCS) 2012

Method: OECD Test Guideline 401

Remarks: The test was conducted equivalent or similar to guideline

Acute inhalation toxicity

LC50 (Mouse): > 3.2 mg/l

Exposure time: 90 min

Test atmosphere: vapor

Remarks: No test guideline followed

Acute dermal toxicity

LD50 (Rabbit): 5,610 mg/kg

Method: OECD Test Guideline 402

Remarks: The test was conducted equivalent or similar to guideline

3,7-Dimethyl 2,6-octadienal:

Acute oral toxicity

LD50 (Rat, female): 4,895 mg/kg

Acute dermal toxicity

LC50 (Rat): > 0.68 mg/l

Exposure time: 7 h

Test atmosphere: vapor

Acute dermal toxicity

LD50 (Rabbit): 2,250 mg/kg

Skin corrosion/irritation:

Not classified based on available information.

Components:

Dimethyl octadienol:

Species

Rabbit

Method

OECD Test Guideline 404

Result

Skin irritation

Remarks

The test was conducted according to guideline

3,7-Dimethyl 2,6-octadienal:

Species

Rabbit

Result

Skin irritation

Serious eye damage/eye irritation:

Not classified based on available information.

Components:

Dimethyl octadienol:

Species

Rabbit

Method

Irritation to eyes, reversing within 21 days

Result

OECD Test Guideline 405

Remarks

The test was conducted equivalent or similar to guideline

3,7-Dimethyl 2,6-octadienal:

Species

Rabbit

Result

Irritation to eyes, reversing within 21 days

Respiratory or skin sensitization:

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Components:

Dimethyl octadienol:

Test Type

Local lymph node assay (LLNA)

Routes of exposure

Skin contact

Species

Mouse

Method

OECD Test Guideline 429

Result

Positive

Remarks

The test was conducted according to guideline

57022 Tork Constant Air Freshener

Odor Neutralizer

Safety data sheet

according to OSHA Hazard Communication Standard (HCS) 2012

Assessment	Probability or evidence of low to moderate skin sensitization rate in humans
3,7-Dimethyl 2,6-octadienal:	
Test Type	Human repeat insult patch test (HRIPT)
Routes of exposure	Skin contact
Result	Positive
Assessment	Probability or evidence of skin sensitization in humans
Germ cell mutagenicity	Not classified based on available information.
Components:	
Dimethyl octadienol:	
Genotoxicity in vitro	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative Remarks: The test was conducted equivalent or similar to guideline Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative Remarks: The test was conducted equivalent or similar to guideline Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative Remarks: The test was conducted equivalent or similar to guideline
Genotoxicity in vivo	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Ingestion Method: OECD Test Guideline 474 Result: negative Remarks: The test was conducted according to guideline
3,7-Dimethyl 2,6-octadienal:	
Genotoxicity in vitro	Test Type: Bacterial reverse mutation assay (AMES) Result: negative Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative Test Type: Chromosome aberration test in vitro Result: negative Test Type: In vitro sister chromatid exchange assay in mammalian cells Result: positive
Genotoxicity in vivo	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative
Carcinogenicity	Not classified based on available information.
Components:	
3,7-Dimethyl 2,6-octadienal:	
Species	Mouse
Application Route	Ingestion
Exposure time	104 - 105 weeks
Result	Negative

57022 Tork Constant Air Freshener

Odor Neutralizer

Safety data sheet

according to OSHA Hazard Communication Standard (HCS) 2012

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	Not classified based on available information.

Components:

Dimethyl octadienol:	
Effects on fetal development	Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: No test guideline followed
3,7-Dimethyl 2,6-octadienal:	
Effects on fertility	Test Type: One-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 443 Result: negative
Effects on fetal development	Test Type: One-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 443 Result: negative
STOT-single exposure	Not classified based on available information.
STOT-repeated exposure	Not classified based on available information.

Repeated dose toxicity

Components:

Dimethyl octadienol:	
Species	Rat, male
NOAEL	>= 497.9 mg/kg
Application Route	Ingestion
Exposure time	96 Days
Method	OECD Test Guideline 408
Remarks	The test was conducted according to guideline
Species	Rat
NOAEL	250 mg/kg
Application Route	Skin contact
Exposure time	91 Days
Method	OECD Test Guideline 411
Remarks	The test was conducted equivalent or similar to guideline
3,7-Dimethyl 2,6-octadienal:	
Species	Rat, female
NOAEL	335 mg/kg
Application Route	Ingestion
Exposure time	14 Weeks
Aspiration toxicity	Not classified based on available information.

57022 Tork Constant Air Freshener

Odor Neutralizer

Safety data sheet

according to OSHA Hazard Communication Standard (HCS) 2012

SECTION 12: Ecological information

12.1. Ecotoxicity

Components:

Dimethyl octadienol:

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 27.8 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Remarks: The test was conducted according to guideline

Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Water flea)): 59 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Remarks: The test was conducted according to guideline

Toxicity to algae/aquatic plants ErC50 (Desmodesmus subspicatus (green algae)): 156.7 mg/l
Exposure time: 96 h

EC10 (Desmodesmus subspicatus (green algae)): 54.3 mg/l
Exposure time: 96 h

Toxicity to microorganisms EC10 (activated sludge): > 100 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209
Remarks: The test was conducted according to guideline

3,7-Dimethyl 2,6-octadienal:

Toxicity to fish LC50 (Leuciscus idus (Golden orfe)): 6.78 mg/l
Exposure time: 96 h
Method: DIN 38412

Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Water flea)): 6.8 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants ErC50 (Desmodesmus subspicatus (green algae)): 103.8 mg/l
Exposure time: 72 h

EC10 (Desmodesmus subspicatus (green algae)): 3 mg/l
Exposure time: 72 h

Toxicity to microorganisms EC50 (activated sludge): 160 mg/l
Exposure time: 30 min
Method: OECD Test Guideline 209

12.2. Persistence and degradability

Components:

Dimethyl octadienol:

Biodegradability Result: Readily biodegradable.
Biodegradation: 64.2 %
Exposure time: 28 d
Method: OECD Test Guideline 301D
Remarks: The test was conducted according to guideline

3,7-Dimethyl 2,6-octadienal:

Biodegradability Result: Readily biodegradable.
Biodegradation: > 90 %
Exposure time: 28 d
Method: Directive 67/548/EEC Annex V, C.4.D.

57022 Tork Constant Air Freshener Odor Neutralizer

Safety data sheet

according to OSHA Hazard Communication Standard (HCS) 2012

12.3. Bioaccumulation potential

Components:

Dimethyl octadienol:

Partition coefficient: log Pow: 2.84
noctanol/water Method: OECD Test Guideline 107
Remarks: The test was conducted equivalent or similar to guideline

3,7-Dimethyl 2,6-octadienal:

Partition coefficient: log Pow: 2.76
noctanol/water

Mobility in soil: No data available

12.4. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste from residues Dispose of in accordance with local regulations.
Do not dispose of waste into sewer.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.
Empty containers retain residue and can be dangerous.
Do not pressurize, cut, weld, braze, solder, drill, grind, or ex-pose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

SECTION 14: Transport information

International Regulations:

UNRTDG: Not regulated as a dangerous good

IATA-DGR: Not regulated as a dangerous good

IMDG-Code: Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable for product as supplied.

Domestic Regulation:

49 CFR:

UN/ID/NA number NA 1993
Proper shipping name Combustible liquid, n.o.s. (Dimethyl octadienol)
Class CBL
Packing group III
Labels NONE
ERG Code 128
Marine pollutant No
Remarks Above applies only to containers over 119 gallons or 450 liters.
Not regulated if shipped in packages less than or equal to 119 gallons (450 liters).

57022 Tork Constant Air Freshener

Odor Neutralizer

Safety data sheet

according to OSHA Hazard Communication Standard (HCS) 2012

Special precautions for user: The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15: Regulatory information

15.1. 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) Respiratory or skin sensitization
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.
Volatile organic compounds (VOC) content	40 CFR Part 59 National VOC Emission Standard For Consumer Products, Subpart C VOC content: 89.71 %

US State Regulations

Pennsylvania Right To Know

Dimethyl octadienol 78-70-6

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

All substances listed as active on the TSCA inventory

SECTION 16: Other Information

NFPA 704:	Health Hazards: 2	Flammability: 2	Instability: 0	Physical and Chemical Hazards: N/A
HMIS® IV:	Health Hazards: 2	Flammability: 2	Physical Hazard: 0	Personal Protection: X

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

AIC - 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 Standardization; 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

57022 Tork Constant Air Freshener

Odor Neutralizer

Safety data sheet

according to OSHA Hazard Communication Standard (HCS) 2012

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 Organization 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, Bio accumulative 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, Authorization 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 Bio accumulative

Sources of key data used to compile the Material Safety Data Sheet Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date 10/08/2024

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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