SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200)

Revision date: 19-11-2026 **Revision Number:** 1

1. Identification

Product identifier

Product Name 743.62 PTFE STRIPING INK RED

Other means of identification

Product Code TP09990901

Material number(s) TP09990901QR

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use For industrial use only

Restrictions on use None.

Details of the supplier of the safety data sheet

Supplier Address
Avient Corporation
33587 Walker Road, Avon Lake, OH 44012

E-mail address regulatoryservices@avient.com

Emergency telephone number

Company Phone Number 1 (440) 930-1000
or 1 (844) 4 AVIENT

24 Hour Emergency Phone Number CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident)

Emergency Telephone No information available

2. Hazard(s) identification

Classification of the substance or mixture

Flammable liquids	Category 4
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (repeated exposure)	Category 2

Hazards not otherwise classified (HNOC)
Not applicable.

Label elements



Danger

Hazard statements
Combustible liquid.
Causes serious eye damage.
May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements - Prevention
Do not breathe dust, fume, gas, mist, vapors and spray.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

Precautionary Statements - Response
Get medical advice and attention if you feel unwell.
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.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Precautionary Statements - Storage
Store in a well-ventilated place.

Precautionary Statements - Disposal
Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

Hazards classified under paragraph (d)(1)(ii) of 1910.1200
No information available.

Other information
Causes mild skin irritation.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%	Trade secret / Unique identifier
Water	7732-18-5	40 - 60%	*
Polytetrafluoroethylene	9002-84-0	20 - 40%	*
C.I. Pigment Red 149	4948-15-6	10 - 20%	*
COMP_MISC_Surfactants/Disp (S03)	NA	3 - 5%	*
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	34590-94-8	1 - 3%	*
Poly(oxy-1,2-ethanediyl), .alpha.-[3,5-dimethyl-1-(2-methylpropyl)hexyl]-.omega.-hydroxy-	60828-78-6	1 - 3%	*
2,4,6-Tri-sec-butylphenol, ethoxylated, sulfated, sodium salt	109909-39-9	0.1 - 1%	*
Poly(oxy-1,2-ethanediyl), .alpha.-phenyl-.omega.-hydroxy-, styrenated	104376-75-2	0.1 - 1%	*
Formaldehyde, polymer with nonylphenol and oxirane, hydrogen sulfobutanedioate monosodium salt	69029-29-4	0.1 - 1%	*
COMP_MISC_Viscosity modifiers (A51)	NA	0.1 - 1%	*
COMP_MISC_Surfactants/Disp (S03)_H302_H373_H412	NA	< 0.1%	*
5-Decyne-4,7-diol, 2,4,7,9-tetramethyl-	126-86-3	< 0.1%	*

Phenol, 4-chloro-3-methyl-	59-50-7	< 0.1%	*
Naphtha, petroleum, hydrodesulfurized heavy	64742-82-1	< 0.1%	*
2-Phenylphenol	90-43-7	< 0.1%	*
Ammonium hydroxide	1336-21-6	< 0.1%	*
Polyoxyethylene monooctadecyl ether	9005-00-9	< 0.1%	*
Poly(oxy-1,2-ethanediyl), .alpha.-(tributylphenyl)-.omega.-hydroxy-	9046-09-7	< 0.1%	*
Sodium hydroxide	1310-73-2	< 0.1%	*
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	< 0.1%	*
Ethoxylated lauryl alcohol	9002-92-0	< 0.1%	*
Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt	577-11-7	< 0.1%	*
Benzene, 1,2,4-trimethyl-	95-63-6	< 0.1%	*
Octamethylcyclotetrasiloxane	556-67-2	< 0.1%	*
Dodecamethylcyclohexasiloxane	540-97-6	< 0.1%	*
Decamethylcyclopentasiloxane	541-02-6	< 0.1%	*
1-Octanol, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-	647-42-7	< 0.1%	*
1,4-Dioxane	123-91-1	< 0.1%	*
1,2-Benzisothiazol-3(2H)-one	2634-33-5	< 0.1%	*
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone	55965-84-9	< 0.1%	*
2-Pyridinethiol, 1-oxide, sodium salt (1:1)	3811-73-2	< 0.1%	*

4. First-aid measures

Description of first aid measures

General advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation. May cause blindness. May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

Effects of Exposure May cause damage to organs through prolonged or repeated exposure.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media Do not use water jetstream.

Specific hazards arising from the chemical Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

Hazardous combustion products Decomposition products can include and are not limited to:. Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx). Ammonia. Fluorinated oxides. Hydrogen fluoride. Hydrogen chloride. Hydrogen sulfide. Sulfur oxides. Sulfur trioxide. Oxides of sulfur. Metal oxides.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections See section 8 for more information. See section 13 for more information.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Use personal protective equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

Avoid contact with skin, eyes or clothing. Wear protective gloves, eye protection and face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children.

8. Exposure controls/personal protection

Control Parameters

Exposure Limits This product, as supplied, contains materials that do not have reportable occupational exposure limits or are not subject to the reporting requirements of the local jurisdiction.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Propanol, 1(or 2)-(2-methoxymethylethoxy)- (34590-94-8)	TWA: 50 ppm	TWA: 100 ppm TWA: 600 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m³ dSk Sdv	TWA: 100 ppm; TWA: 600 mg/m³; STEL: 150 ppm STEL: 900 mg/m³ IDLH: 600 ppm
Ammonium hydroxide (1336-21-6)	TWA: 25 ppm STEL: 35 ppm	TWA: 50 ppm TWA: 35 mg/m³ (vacated) STEL: 35 ppm (vacated) STEL: 27 mg/m³	TWA: 25 ppm; TWA: 18 mg/m³; STEL: 35 ppm STEL: 27 mg/m³ IDLH: 300 ppm
Sodium hydroxide (1310-73-2)	Ceiling: 2 mg/m³	TWA: 2 mg/m³ (vacated) Ceiling: 2 mg/m³	Ceiling: 2 mg/m³ IDLH: 10 mg/m³
Benzene, 1,2,4-trimethyl- (95-63-6)	TWA: 10 ppm	(vacated) TWA: 25 ppm (vacated) TWA: 125 mg/m³	TWA: 25 ppm; TWA: 125 mg/m³;
1,4-Dioxane (123-91-1)	TWA: 20 ppm pSk	TWA: 100 ppm TWA: 360 mg/m³ (vacated) TWA: 25 ppm (vacated) TWA: 90 mg/m³ dSk Sdv	Ceiling: 1 ppm 30 min Ceiling: 3.6 mg/m³ 30 min IDLH: 500 ppm

Biological occupational exposure limits This product, as supplied, contains materials that do not have reportable biological exposure limits or are not subject to the reporting requirements of the local jurisdiction.

Appropriate engineering controls

Engineering controls Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Face protection shield. Tight sealing safety goggles.

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing. Antistatic boots. Chemical resistant apron. Wear fire resistant or flame retardant clothing.

Respiratory protection	Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. Use appropriate respiratory protection.
Environmental exposure controls	Local authorities should be advised if significant spillages cannot be contained.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid
Physical state	Liquid
Color	No information available
Odor (includes odor threshold)	Slight

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Boiling point (or initial boiling point or boiling range)	85 °C / 185 °F	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	61 °C / 141.8 °F	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
SADT (°C)	No data available	None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	21	None known
Dynamic viscosity	No data available	None known
Solubility	No data available	None known
Water solubility	No data available	None known
Partition coefficient n-octanol/water (log value)	No data available	None known
Vapor pressure (includes evaporation rate)	No data available	None known
Evaporation rate	No data available	None known
Density and/or relative density	No data available	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapor density	No data available	None known
Particle characteristics		None known
Particle Size	No data available	
Particle Size Distribution	No data available	

Other information

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous decomposition products	None under normal use conditions.

11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available. May result in permanent damage including blindness. Causes serious eye damage.

Skin contact Specific test data for the substance or mixture is not available. Causes mild skin irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Burning sensation. May cause blindness. May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

Acute toxicity Based on available data, the classification criteria are not met.

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Poly(oxy-1,2-ethanediyl), .alpha.-[3,5-dimethyl-1-(2-methylpropyl)hexyl]-.omega.-hydroxy- (60828-78-6)	= 5650 mg/kg (Rat)	= 4780 µL/kg (Rabbit)	-
5-Decyne-4,7-diol, 2,4,7,9-tetramethyl- (126-86-3)	-	> 2000 mg/kg (Rat)	-
Phenol, 4-chloro-3-methyl- (59-50-7)	= 500 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 2871 mg/m³ (Rat) 4 h
2-Phenylphenol (90-43-7)	= 2 g/kg (Rat)	> 5000 mg/kg (Rabbit)	> 949 mg/m³ (Rat) 1 h
Ethoxylated lauryl alcohol (9002-92-0)	= 1 g/kg (Rat)	> 2000 mg/kg (Rat)	-
Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)	= 3080 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Benzene, 1,2,4-trimethyl- (95-63-6)	3280 mg/kg (Rat)	3160 mg/kg (Rabbit)	-
Octamethylcyclotetrasiloxane (556-67-2)	> 4800 mg/kg bw (Rat)	> 2375 mg/kg (Rat)	-
Dodecamethylcyclohexasiloxane (540-97-6)	-	> 2000 mg/kg (Rat)	-
Decamethylcyclopentasiloxane (541-02-6)	-	> 2000 mg/kg (Rat)	-
1-Octanol, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro- (647-42-7)	-	> 5000 mg/kg (Rat)	-
1,2-Benzisothiazol-3(2H)-one	1020 mg/kg (Rat)	> 2000 mg/kg (Rat)	-

(2634-33-5)			
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)	53 mg/kg (Rat)	87.12 mg/kg (Rabbit)	-
2-Pyridinethiol, 1-oxide, sodium salt (1:1) (3811-73-2)	-	790 mg/kg (Rabbit)	1mg/L

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause skin irritation. Classification based on data available for ingredients. Causes mild skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes burns. Causes serious eye damage.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Chemical name	ACGIH	IARC	NTP	OSHA
Polytetrafluoroethylene (9002-84-0)	-	Group 3	-	-
2-Phenylphenol (90-43-7)	-	Group 3 - Unclassifiable as to carcinogenicity in humans Group 3 - Not classifiable as to its carcinogenicity to humans	-	-
1,4-Dioxane (123-91-1)	A3	Group 2B	Reasonably Anticipated	X

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard No information available.

Other adverse effects No information available.

Interactive effects No information available.

12. Ecological information

Ecotoxicity Based on available data, the classification criteria are not met.

Chemical name	Fish	Crustacea	Algae/aquatic plants	Toxicity to microorganisms
Phenol, 4-chloro-3-methyl- (59-50-7)	LC50: 3.11 - 5.27mg/L (96h, Pimephales	EC50: =2mg/L (48h, Daphnia magna)	EC50: >10mg/L (96h, Desmodesmus	-

	promelas) LC50: 1000 - 10000µg/L (96h, Pimephales promelas) LC50: 5.81 - 7.76mg/L (96h, Poecilia reticulata) LC50: =917µg/L (96h, Oncorhynchus mykiss)	EC50: 1.13 - 1.94mg/L (48h, Daphnia magna)	subspicatus) EC50: =4.2mg/L (72h, Desmodesmus subspicatus)	
2-Phenylphenol (90-43-7)	LC50: =3.4mg/L (96h, Pimephales promelas) LC50: =2.74mg/L (96h, Lepomis macrochirus) LC50: =2.75mg/L (96h, Oncorhynchus mykiss) LC50: =5.8mg/L (96h, Poecilia reticulata)	EC50: 1 - 2.5mg/L (48h, Daphnia magna)	EC50: =0.85mg/L (72h, Desmodesmus subspicatus)	-
Ammonium hydroxide (1336-21-6)	LC50: =8.2mg/L (96h, Pimephales promelas)	EC50: =0.66mg/L (48h, water flea) EC50: =0.66mg/L (48h, Daphnia pulex)	-	-
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)	LC50: =1.6mg/L (96h, Oncorhynchus mykiss)	EC50: =4.71mg/L (48h, Daphnia magna) EC50: 0.12 - 0.3mg/L (48h, Daphnia magna) EC50: 0.71 - 0.99mg/L (48h, Daphnia magna)	EC50: 0.11 - 0.16mg/L (72h, Pseudokirchneriella subcapitata) EC50: 0.03 - 0.13mg/L (96h, Pseudokirchneriella subcapitata)	-
2-Pyridinethiol, 1-oxide, sodium salt (1:1) (3811-73-2)	-	EC50: =0.022mg/L (48h, water flea)	-	-

Chemical name	Earthworm	Avian	Honeybees
Benzene, 1,2,4-trimethyl- (95-63-6)	-	Dietary Toxicity: LC50 > 6500 ppm (Colinus virginianus, 5 Days) Acute Oral Toxicity: LD50 > 2250 mg/kg (Colinus virginianus)	-

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Chemical name	Partition coefficient	Bioconcentration factor (BCF)	Trophic magnification factor (TMF)
Phenol, 4-chloro-3-methyl- (59-50-7)	2.73	13	-
2-Phenylphenol (90-43-7)	3.18	-	-
Polyoxyethylene monooctadecyl ether (9005-00-9)	3.4	-	-
Benzene, 1,2,4-trimethyl- (95-63-6)	3.63	-	-
Octamethylcyclotetrasiloxane (556-67-2)	6.488	-	-
1,2-Benzisothiazol-3(2H)-one (2634-33-5)	0.99	-	-
5-Chloro-2-methyl-3(2H)-isothiazolone,	0.7	54	-

mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)			
2-Pyridinethiol, 1-oxide, sodium salt (1:1) (3811-73-2)	-2.38	-	-

Mobility in soil No information available.

Other adverse effects No information available.

13. Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

International Regulations

The Rotterdam Convention Not applicable

International Inventories

TSCA Complies
DSL/NDSL Not determined
ENCS Not determined
IECSC Not determined
KECL Not determined
PICCS Not determined
AIIC Not determined
NZIoC Not determined
TCSI Not determined

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	De minimis concentration
2-Phenylphenol (90-43-7)	1.0%

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CAA (Clean Air Act)
This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water (7732-18-5)	-	-	X
Polytetrafluoroethylene (9002-84-0)	-	-	X
Propanol, 1(or 2)-(2-methoxymethylethoxy)- (34590-94-8)	X	X	X
Phenol, 4-chloro-3-methyl- (59-50-7)	X	X	X
2-Phenylphenol (90-43-7)	X	X	X
Ammonium hydroxide (1336-21-6)	X	X	X
Sodium hydroxide (1310-73-2)	X	X	X
Benzene, 1,2,4-trimethyl- (95-63-6)	X	X	X
1,4-Dioxane (123-91-1)	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA	**Health hazards** 3	**Flammability** 2	**Instability** 0	**Special hazards** -
HMIS	**Health hazards** 3 *	**Flammability** 2	**Physical hazards** 0	**Personal protection** -

Chronic Hazard Star Legend ** = Chronic Health Hazard*

Key or legend to abbreviations and acronyms used in the safety data sheet
List may include phrases which are not applicable to this product

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

	(Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
ECEL	Existing Chemical Exposure Limit
EINECS	European Inventory of Existing Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	U.S. Environmental Protection Agency
GHS	Globally Harmonized System
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
ICAO	International Civil Aviation Organization
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organization for Standardization
KECI	Korean 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
NDSL	Non-Domestic Substances List (Canada)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NTP	National Toxicology Program (United States)
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
OSHA	Occupational Safety and Health Administration of the US Department of Labor
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit

STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitizer
RS	Respiratory Sensitizer
S	Sensitizer
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

Key literature references and sources for data used to compile the SDS
U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
U.S. Environmental Protection Agency
U.S. EPA Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
U.S. Hazardous Substance Data Bank (HSDB)
International Uniform Chemical Information Database (IUCLID)
Japan National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
U.S. National Institute for Occupational Safety and Health (NIOSH)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

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End of Safety Data Sheet