SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200) and Canada Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), as amended

Issuing Date 24-Feb-2026 **Revision date** 24-Feb-2026 **Revision Number** 1

1. Identification

Product identifier

Product Name up & up

Other means of identification

Product Code(s) 1817382_TG

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Liquid dishwashing soap

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Name Consumer Product Partners

Supplier Address
8515 Page Avenue
Saint Louis
MO
63114
US

Emergency telephone number

Supplier Phone Number Phone:3144271000
Fax:3144271010

24 Hour Emergency Phone Number 18004249300

Emergency Telephone No information available

2. Hazard(s) identification

Classification of the substance or mixture

Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (repeated exposure)	Category 2

Label elements

Warning

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

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling.
Wear eye and face protection.
Do not breathe dust.
Precautionary Statements - Response
Get medical advice/attention if you feel unwell.
Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice and attention.

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. Harmful to aquatic life.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Water	7732-18-5	81.49751	-	-
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	29911-28-2	9.5712	-	-
.alpha.-Alkyl(C10-16) .omega.-hydroxypoly(oxyethylene) sulfate, sodium salt	68585-34-2	4.62	-	-
Dodecyldimethylamine oxide	1643-20-5	1.05	-	-
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	68585-47-7	1.015	-	-
Lauryl polyethylene glycol ether	9002-92-0	0.9	-	-
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6	0.485	-	-
Ethyl alcohol	64-17-5	0.314645	-	-
Third Party Formulation (TP # 1821324)	Trade secret	0 - 10%	-	-

Propylene Glycol	57-55-6	0.1996	-	-
Citric acid	77-92-9	0.045	-	-
Third Party Formulation (TP # 1821324)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1821324)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1821324)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1821324)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1821324)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1821324)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1821324)	Trade secret	0 - 10%	-	-
Third Party Formulation (TP # 1821324)	Trade secret	0 - 10%	-	-
Methylisothiazolinone	2682-20-4	0.001485	-	-
Methylchloroisothiazolinone	26172-55-4	0.000555	-	-
Sodium hydroxide	1310-73-2	0.000001	-	-

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air.

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

Skin contact Wash skin with soap and water.

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 Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms May cause redness and tearing of the eyes. Burning sensation. 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 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical No information available.

Hazardous combustion products Carbon oxides.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

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

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

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

7. Handling and storage

Precautions for safe handling

Advice on safe handling 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 Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

Control Parameters
Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m^3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m^3	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m^3
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m^3	TWA: 2 mg/m^3 (vacated) Ceiling: 2 mg/m^3	Ceiling: 2 mg/m^3 IDLH: 10 mg/m^3

Chemical name	Alberta	British Columbia	Ontario	Quebec
Ethyl alcohol	TWA: 1000 ppm;	STEL: 1000 ppm;	STEL: 1000 ppm;	STEV: 1000 ppm;

64-17-5	TWA: 1880 mg/m³;			
Propylene Glycol 57-55-6	-	-	TWA: 10 mg/m³; aerosol only TWA: 50 ppm; aerosol and vapor TWA: 155 mg/m³; aerosol and vapor	-
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m³;	Ceiling: 2 mg/m³;	Ceiling: 2 mg/m³;	Ceiling: 2 mg/m³;

Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
Ethyl alcohol	STEL: 1000 ppm;	STEL: 1000 ppm;	STEL: 1000 ppm;	STEL: 1000 ppm;
Sodium hydroxide	Ceiling: 2 mg/m³;	Ceiling: 2 mg/m³;	Ceiling: 2 mg/m³;	Ceiling: 2 mg/m³;

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
Ethyl alcohol	TWA: 1000 ppm; STEL: 1250 ppm;	STEL: 1000 ppm;	TWA: 1000 ppm; STEL: 1250 ppm;	TWA: 1000 ppm; TWA: 1900 mg/m³; STEL: 1000 ppm; STEL: 1900 mg/m³;
Sodium hydroxide	Ceiling: 2 mg/m³;	Ceiling: 2 mg/m³;	Ceiling: 2 mg/m³;	Ceiling: 2 mg/m³;

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 Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Use appropriate respiratory protection. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

9. Physical and chemical properties

Information on basic physical and chemical properties

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

Odor threshold No data available

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Boiling point (or initial boiling point or boiling range)	No data available	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	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
SADT (°C)	No data available	None known
pH	9.7	
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Solubility	No data available	None known
Water solubility	No data available	
Partition coefficient n-octanol/water (log value)	0	
Vapor pressure (includes evaporation rate)	No data available	None known
Evaporation rate	No data available	None known
Density and/or relative density	1.003	
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

Miscible Yes

10. Stability and reactivity

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid None known based on information supplied.

Incompatible materials None known based on information supplied.

Hazardous decomposition products Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. Prolonged contact may cause redness and irritation. 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 May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.

Acute toxicity No information available.

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	9,431.70 mg/kg
ATEmix (dermal)	99,999.000 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapor)	99,999.00 mg/l
ATEmix (inhalation-dust/mist)	99,999.00 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Water (Aqua)	> 90 mL/kg (Rat)	-	-
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	= 1620 µL/kg (Rat)	-	> 5.4 mg/L (Rat) 4 h
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	> 2000 mg/kg (Rat)	-	-
Laureth-4	= 1 g/kg (Rat)	= 1000 mg/kg (Rat)	-
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	-	> 2000 mg/kg (Rat)	> 4.2 mg/L (Rat) 4 h
SD Alcohol 39-C	= 7060 mg/kg (Rat)	-	= 116.9 mg/L (Rat) 4 h = 133.8 mg/L (Rat) 4 h
Third Party Formulation (TP # 1821324)	= 14850 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	> 2.34 mg/L (Rat) 4 h
Propylene Glycol	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
Citric acid	= 3 g/kg (Rat)	> 2000 mg/kg (Rat)	-
Third Party Formulation (TP # 1821324)	= 5200 mg/kg (Rat) = 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Third Party Formulation (TP # 1821324)	= 2790 mg/kg (Rat)	= 5610 mg/kg (Rabbit)	-
Third Party Formulation (TP # 1821324)	= 3600 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Third Party Formulation (TP # 1821324)	= 2840 mg/kg (Rat)	-	-
Third Party Formulation (TP # 1821324)	= 4600 mg/kg (Rat)	-	-
Third Party Formulation (TP # 1821324)	= 3210 mg/kg (Rat)	1500 - 2000 mg/kg (Rabbit)	> 21 mg/L (Rat) 1 h
Third Party Formulation (TP # 1821324)	= 14550 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 18.94 mg/L (Rat) 8 h
Third Party Formulation (TP #	= 3600 mg/kg (Rat)	> 5 g/kg (Rabbit)	-

1821324)			
Methylisothiazolinone	232 - 249 mg/kg (Rat) = 120 mg/kg (Rat)	= 200 mg/kg (Rabbit)	= 0.11 mg/L (Rat) 4 h
Methylchloroisothiazolinone	= 481 mg/kg (Rat)	-	= 1.23 mg/L (Rat) 4 h
Sodium hydroxide	= 325 mg/kg (Rat)	= 1350 mg/kg (Rabbit)	-

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

Skin corrosion/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 serious eye irritation.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Chemical name	ACGIH	IARC	NTP	OSHA
SD Alcohol 39-C	A3 - Confirmed animal carcinogen (with unknown relevance to humans)	Group 1 - Carcinogenic to humans	Known human carcinogen	X
Third Party Formulation (TP # 1821324)	-	Group 3 - Not classifiable as to its carcinogenicity to humans	-	-

Reproductive toxicity No information available.

STOT - single exposure No information available.

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

Aspiration hazard No information available.

12. Ecological information

Ecotoxicity Harmful to aquatic life.

Aquatic ecotoxicity

Component Information

Chemical name	Fish	Crustacea	Algae/aquatic plants	Toxicity to microorganisms
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	96h LC50: = 841 mg/L (Poecilia reticulata)	-	-	-
Dodecyldimethylamine oxide	96h LC50: = 134 mg/L (Danio rerio)	-	-	-
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	96h LC50: > 100 mg/L (Oncorhynchus mykiss)	-	-	-
SD Alcohol 39-C	96h LC50: 12.0 - 16.0 mL/L (Oncorhynchus mykiss) 96h LC50: > 100 mg/L (Pimephales promelas)	48h LC50: 9268 - 14221 mg/L (Daphnia magna) 48h EC50: = 2 mg/L (Daphnia magna)	-	-

	96h LC50: 13400 - 15100 mg/L (Pimephales promelas)			
Third Party Formulation (TP # 1821324)	-	-	-	EC50 = 10000 mg/L 16 h
Propylene Glycol	96h LC50: = 51600 mg/L (Oncorhynchus mykiss) 96h LC50: 41 - 47 mL/L (Oncorhynchus mykiss) 96h LC50: = 51400 mg/L (Pimephales promelas) 96h LC50: = 710 mg/L (Pimephales promelas)	48h EC50: > 1000 mg/L (Daphnia magna)	96h EC50: = 19000 mg/L (Pseudokirchneriella subcapitata)	-
Citric acid	96h LC50: = 1516 mg/L (Lepomis macrochirus)	-	-	-
Third Party Formulation (TP # 1821324)	96h LC50: 0.619 - 0.796 mg/L (Pimephales promelas) 96h LC50: = 35 mg/L (Oncorhynchus mykiss)	-	-	-
Third Party Formulation (TP # 1821324)	96h LC50: = 27.8 mg/L (Oncorhynchus mykiss)	48h EC50: = 20 mg/L (Daphnia magna)	96h EC50: = 88.3 mg/L (Desmodesmus subspicatus)	-
Third Party Formulation (TP # 1821324)	96h LC50: 89.7 - 106 mg/L (Pimephales promelas) 96h LC50: = 144 mg/L (Brachydanio rerio)	-	-	EC50 = 27.5 mg/L 30 min EC50 = 300.4 mg/L 48 h
Third Party Formulation (TP # 1821324)	96h LC50: = 11 mg/L (Cyprinus carpio)	-	-	-
Third Party Formulation (TP # 1821324)	96h LC50: = 22 mg/L (Danio rerio)	-	-	-
Methylchloroisothiazolinone	96h LC50: = 1.6 mg/L (Oncorhynchus mykiss)	48h EC50: = 4.71 mg/L (Daphnia magna) 48h EC50: 0.12 - 0.3 mg/L (Daphnia magna) 48h EC50: 0.71 - 0.99 mg/L (Daphnia magna)	72h EC50: 0.11 - 0.16 mg/L (Pseudokirchneriella subcapitata) 96h EC50: 0.03 - 0.13 mg/L (Pseudokirchneriella subcapitata)	EC50 = 5.7 mg/L 16 h
Sodium hydroxide	96h LC50: = 45.4 mg/L (Oncorhynchus mykiss)	-	-	-

Chemical name	Earthworm	Avian	Honeybees
SD Alcohol 39-C	Acute Toxicity: LC50 0.1 - 1 mg/cm2 (Eisenia foetida, 48 h filter paper)	-	-

Persistence and degradability No information available.

Bioaccumulative potential

Chemical name	Partition coefficient	Bioconcentration factor (BCF)	Trophic magnification factor (TMF)
Laureth-4	1.937	-	-
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	<0	-	-
SD Alcohol 39-C	-0.35	-	-
Third Party Formulation (TP # 1821324)	-0.462	1.4	-
Propylene Glycol	-1.07	1	-
Citric acid	-1.72	-	-
Third Party Formulation (TP # 1821324)	4.38	-	-
Third Party Formulation (TP # 1821324)	2.9	-	-
Third Party Formulation (TP # 1821324)	3.25	-	-
Third Party Formulation (TP # 1821324)	1.8	-	-
Third Party Formulation (TP # 1821324)	3.9	-	-
Third Party Formulation (TP # 1821324)	2.6	-	-
Methylisothiazolinone	-0.26	-	-
Methylchloroisothiazolinone	0.75	-	-

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
Transport hazard class(es) N/A

TDG Not applicable

MEX Not applicable

ICAO (air) Not applicable

IATA Not applicable
Transport hazard class(es) N/A

IMDG Not applicable

Transport hazard class(es) N/A

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AIIC	Contact supplier for inventory compliance status.
NZIoC	Contact supplier for inventory compliance status.
TCSI	Contact supplier for inventory compliance status.

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing Chemicals Inventory
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals
TCSI - Taiwan Chemical Substance Inventory

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

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:. Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical name	California Proposition 65
SD Alcohol 39-C	Carcinogen Developmental

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
SD Alcohol 39-C	X	X	X
Third Party Formulation (TP # 1821324)	-	-	X
Propylene Glycol	X	-	X
Third Party Formulation (TP # 1821324)	X	-	X
Sodium hydroxide	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA **Health hazards** 2 **Flammability** 0 **Instability** 0 **Special hazards** -
HMIS **Health hazards** 2 * **Flammability** 0 **Physical hazards** 0 **Personal protection** X
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)
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	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
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
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
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
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