SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Canada WHMIS which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

GREENFORCE(TM)
Revision Number 1.03

Revision date 06-May-2026
Supersedes date 23-Apr-2026

1. Identification

Product identifier

Product Name GREENFORCE(TM)

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Adhesives and/or sealants

Restrictions on use No information available

Details of the supplier of the safety data sheet

Responsible Party
Bostik Canada Limited
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Canada
Phone: +1 (514) 593-0418
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11320 W. Watertown Plank Road
Wauwatosa, Wisconsin 53226 USA
Phone: +1(800) 726-7845 (Domestic Toll Free)
Phone: +1 (414) 774-2250 (International)

E-mail address For regulatory and SDS-related questions, please contact a Bostik representative at https://www.bostik.com/us/en_US/customer-support/

Emergency telephone number

CHEMTREC (Chemical Transportation Emergency Center)
Chemtrec: 1-800-424-9300 (US) , 1-703-527-3887 (Outside U.S.)
Rocky Mountain Poison Center: 1-866-767-5089

2. Hazard(s) identification

Classification of the substance or mixture

Skin sensitization	Category 1
Reproductive toxicity	Category 1B

Label elements

Danger

Hazard statements

May cause an allergic skin reaction.
May damage fertility or the unborn child.

Precautionary Statements - Prevention
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust, fume, gas, mist, vapors and spray.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.

Precautionary Statements - Response
IF exposed or concerned: Get medical advice and attention.
Specific treatment (see supplemental first aid instructions on this label).
Skin
IF ON SKIN: Wash with plenty of water and soap.
If skin irritation or rash occurs: Get medical advice and attention.
Take off contaminated clothing and wash it before reuse.

Precautionary Statements - Storage
Store locked up.

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

Other information

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Toxic to aquatic life with long lasting effects.

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)
Limestone	1317-65-3	45 - <70	-	-
Carbonic acid, calcium salt (1:1)	471-34-1	1 - <5	-	-
Trimethoxyvinylsilane	2768-02-7	0.5 - <1.5	-	-
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1760-24-3	0.1 - <1	-	-
Quartz	14808-60-7	0.1 - <1	-	-
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	22673-19-4	0.1 - <1	-	-

*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. If medical advice is needed, have product container or label at hand.

Inhalation Remove to fresh air. If symptoms persist, call a physician.

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 May cause sensitization by skin contact. May cause an allergic skin reaction. Wash with soap and water. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician.

Ingestion Small amounts of toxic methanol are released by hydrolysis. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. If symptoms persist, call a physician. If swallowed, call a poison control center or physician immediately.

Most important symptoms and effects, both acute and delayed

Symptoms None known. May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Hives. Itching.

Effects of Exposure May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility.

Indication of any immediate medical attention and special treatment needed

Note to physicians Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released, when the product is exposed to moisture or water. Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

Unsuitable extinguishing media Full water jet.

Specific hazards arising from the chemical Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous combustion products Carbon oxides. Carbon monoxide. Carbon dioxide (CO2). Sulfur oxides. Silicon dioxide.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment and Wear self contained breathing apparatus for fire fighting if necessary. Use personal

precautions for fire-fighters protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. Do not touch or walk through spilled material. Ensure adequate ventilation. Do not breathe dust, fume, gas, mist, vapors and spray. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up Use personal protective equipment as required. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

Prevention of secondary hazards Residues which cannot be recycled are disposed of as chemical waste. Equipment cleaned with organic solvent, washings are collected and disposed of as solvent waste.

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 as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

General hygiene considerations Wear protective gloves, eye protection and face protection. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wash hands and face before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Keep away from food, drink and animal feeding stuffs.

Recommended storage temperature Keep at temperatures between 50 and 95 °F / 10 and 35 °C.

8. Exposure controls/personal protection

Control Parameters

Exposure Limits Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. This product contains substances which in their raw state are powder form, however

in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product.

Chemical name	Alberta	British Columbia	Ontario	Quebec
Limestone 1317-65-3	TWA: 10 mg/m³;	TWA: 10 mg/m³; total dust TWA: 3 mg/m³; respirable fraction STEL: 20 mg/m³;	-	TWAEV: 10 mg/m³; total dust
Carbonic acid, calcium salt (1:1) 471-34-1	TWA: 10 mg/m³;	TWA: 10 mg/m³; total dust TWA: 3 mg/m³; respirable fraction STEL: 20 mg/m³;	-	TWAEV: 10 mg/m³; total dust
Trimethoxyvinylsilane 2768-02-7	-	-	STEL: 10 ppm; STEL: 60 mg/m³;	-
Quartz 14808-60-7	TWA: 0.025 mg/m³; respirable particulate	TWA: 0.025 mg/m³; respirable	TWA: 0.10 mg/m³	TWAEV: 0.05 mg/m³; respirable dust
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)- 22673-19-4	TWA: 0.1 mg/m³; STEL: 0.2 mg/m³; pSk	TWA: 0.1 mg/m³; STEL: 0.2 mg/m³; Sk	TWA: 0.1 mg/m³; STEL: 0.2 mg/m³; dSk	-

Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
Quartz	TWA: 0.025 mg/m³; respirable particulate matter	TWA: 0.025 mg/m³; respirable fraction	TWA: 0.025 mg/m³; respirable particulate matter	TWA: 0.025 mg/m³; respirable particulate matter

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
Limestone	TWA: 10 mg/m³; STEL: 20 mg/m³;		TWA: 10 mg/m³; STEL: 20 mg/m³;	TWA: 30 mppcf; TWA: 10 mg/m³; STEL: 20 mg/m³;
Carbonic acid, calcium salt (1:1)	TWA: 10 mg/m³; STEL: 20 mg/m³;		TWA: 10 mg/m³; STEL: 20 mg/m³;	TWA: 30 mppcf; TWA: 10 mg/m³; STEL: 20 mg/m³;
Quartz	TWA: 0.05 mg/m³; respirable fraction	TWA: 0.025 mg/m³; respirable particulate matter	TWA: 0.05 mg/m³; respirable fraction	TWA: 300 particle/mL;

Chemical name	Alberta	British Columbia	Ontario	Quebec
Methyl alcohol 67-56-1	TWA: 200 ppm; TWA: 262 mg/m³; STEL: 250 ppm; STEL: 328 mg/m³; pSk	TWA: 200 ppm; STEL: 250 ppm; Sk	TWA: 200 ppm; STEL: 250 ppm; dSk	TWAEV: 200 ppm; TWAEV: 262 mg/m³; STEV: 250 ppm; STEV: 328 mg/m³; Sd

Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
Methyl alcohol	TWA: 200 ppm;	TWA: 200 ppm;	TWA: 200 ppm;	TWA: 200 ppm;

Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
	STEL: 250 ppm; pSk	STEL: 250 ppm; pSk	STEL: 250 ppm; pSk	STEL: 250 ppm; pSk

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
Methyl alcohol	TWA: 200 ppm; STEL: 250 ppm; Sk	TWA: 200 ppm; STEL: 250 ppm;	TWA: 200 ppm; STEL: 250 ppm; pSd	TWA: 200 ppm; TWA: 260 mg/m³; STEL: 250 ppm; STEL: 310 mg/m³; Sk

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). Avoid contact with eyes.

Hand protection Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

Skin and body protection Wear suitable protective clothing.

Respiratory protection Use appropriate respiratory protection. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance Paste
Physical state Liquid
Color Beige
Odor Fruity

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability		
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	> 110 °C	ASTM D3278
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	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	Insoluble in water	Reacts with water
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapor pressure	No data available	None known
Relative density	No data available	None known
Bulk density	No data available	
Density	1.710	
Relative vapor density	No data available	None known
Particle characteristics		Not applicable
Particle Size	No data available	
Particle Size Distribution	No data available	

Other information

VOC content	0 g/L	No information available
Solid content (%)	96.8	

10. Stability and reactivity

Reactivity Product cures with moisture.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing

Conditions to avoid Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials None known based on information supplied.

Hazardous decomposition products Carbon oxides. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

11. Toxicological information

Information on likely routes of exposure

Product Information

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

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

Skin contact May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

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

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives.

Acute toxicity No information available.

Numerical measures of toxicity
The following ATE values have been calculated for the mixture

ATEmix (oral)	>5000 mg/kg
ATEmix (dermal)	284,320.70 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-vapor)	750.10 mg/L
ATEmix (inhalation-dust/mist)	>5 mg/L

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone 1317-65-3	>5000 mg/kg (Rattus)	-	-
Carbonic acid, calcium salt (1:1) 471-34-1	LD50 > 2000 mg/kg (Rattus) OECD 420	LD50 >2000 mg/kg (Rattus) OECD 402	LC50 (4h) >3mg/ml (Rattus)
Trimethoxyvinylsilane 2768-02-7	LD50 = 7120 -7236 mg/kg (Rattus) OECD 401	= 3540 mg/kg (Oryctolagus cuniculus)	LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	=2295 mg/kg (Rattus)	>2000 mg/Kg (Rattus)	LC50 4H (Aerosol)1.5 - 2.44 mg/L air
Quartz 14808-60-7	=6450 mg/kg (Rattus)	-	-
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)- 22673-19-4	LD50 = 1864 mg/kg (Rattus) OECD 401	LD50 > 2000 mg/kg (Rattus) OECD 402	LC50 4hr: 16.8 mg/l (Rattus) (OECD TG 403)

Delayed and immediate effects as well as chronic effects from short and long-term exposure
Skin corrosion/irritation Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal	0.5 mL	24 hours	Non-irritant

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit				Mild skin irritant

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye		24 hours	Non-irritant

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye			Eye Damage

Respiratory or skin sensitization May cause an allergic skin reaction.

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

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation Test	in vitro	Not mutagenic

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation Test	Mammalian cells in vitro	Negative
OECD Test No. 476: In Vitro Mammalian Cell Gene Mutation Tests using the Hprt and xprt genes	Mammalian cells in vitro	Negative

Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)- (22673-19-4)

Method	Species	Results
OECD Test No. 476: In Vitro Mammalian Cell Gene Mutation Tests using the Hprt and xprt genes	in vitro	Mutagenic

Carcinogenicity This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Quartz 14808-60-7	A2 - Suspected human carcinogen	Group 1 - Carcinogenic to humans	Known human carcinogen	Present
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)- 22673-19-4	A4 - Not classifiable as a human carcinogen	-	-	-

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A4 - Not classifiable as a human carcinogen

Reproductive toxicity Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat	Not Classifiable

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

Method	Species	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat Oral	NOAEL >500 mg/Kg

Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)- (22673-19-4)

Method	Species	Results
OECD Test No. 414: Prenatal Development Toxicity Study	Rat Oral in vivo	Read-across. Reproductive toxicant. NOAEL: 1 mg/kg bw/day
OECD Test No. 421: Reproduction/Developmental Toxicity Screening Test	Rat Oral in vivo	Read-across Reproductive toxicant NOAEL 1.9-2.3 mg/kg bw/day

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

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

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 413: Subchronic Inhalation Toxicity: 90-day Study	Rat	Inhalation vapor		90 days	0.058 NOAEL

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat	Subacute oral toxicity gavage		28 days	NOAEL >500 mg/kg

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

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmondesmus subspicatus)	CL50 (96h)>10000mg/L (Oncorhynchus mykiss)	-	CE50 (48h) >1000 mg/L Daphnia Magna
Carbonic acid, calcium salt (1:1) 471-34-1	IC50 72H Algae >1000 mg/l	CL50 96H >1000 mg/l	-	EC50 48H Daphnia >1000 mg/l
Trimethoxyvinylsilane 2768-02-7	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	LC50 (96h) = 191 mg/l (Oncorhynchus mykiss)	-	EC50(48hr) 168.7mg/l (Daphnia magna)
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	-	LC50 (96H) =597 mg/L (Danio rerio)Semi-static	-	EC50 (48h) =81mg/L Daphnia magna Static
Tin, dibutylbis(2,4-pentanedionato-O	>2.0 mg/l	>2.0 mg/l	-	EC50 0.0036 mg/l 48Hr (Daphnia magna)

,O')-, (OC-6-11)- 22673-19-4				

Persistence and degradability No information available.

Trimethoxyvinylsilane (2768-02-7)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	BOD	51 % Not readily biodegradable

Bioaccumulation
Component Information

Chemical name	Partition coefficient
Limestone 1317-65-3	0.9
Trimethoxyvinylsilane 2768-02-7	1.1
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	-0.3

Other adverse effects No information available.

13. Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Handle contaminated packages in the same way as the product itself.

14. Transport information

Note: The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition) The information shown here, may not always agree with the bill of lading shipping description for the material

TDG

UN number or ID number UN3082
Extended proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-)
Transport hazard class(es) 9
Packing group III
Special Provisions 16, 99
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-), 9, III

IATA

UN number or ID number UN3082
UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-)
Transport hazard class(es) 9

Packing group	III
ERG Code	9L
Special Provisions	A97, A158, A197, A215
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-), 9, III

IMDG

UN number or ID number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-)
Transport hazard class(es)	9
Packing group	III
EmS-No.	F-A, S-F
Special Provisions	274, 335, 375, 969
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-), 9, III, Marine pollutant

15. Regulatory information

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

NPRI - National Pollutant Release Inventory
No component is listed on the NPRI above the threshold

International Inventories

TSCA	Complies
DSL	Complies

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL - Canadian Domestic Substances List
Complies - The components of this product are either listed or exempt from listing on inventory. Active
Not Listed - One or more components of this product are not listed on inventory.

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

16. Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

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	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
NFPA	National Fire Protection Association
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
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
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
Sen+	Sensitizer
Sk*	Skin designation
**	Hazard Designation

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)

Prepared By Product Stewardship and Regulatory Affairs.
Revision date 06-May-2026
Revision Note 9.

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End of Safety Data Sheet