

John Deere Cool-Gard[™] II Premix

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 07/30/2014

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product form

: Mixture

Trade name

: John Deere Cool-Gard™ II Premix

Product code

: TY26575, TY26576, TY26577, TY26578

Relevant identified uses of the substance or mixture and uses advised against 1.2. Use of the substance/mixture

: Engine Coolant and Anti-freeze

Details of the supplier of the safety data sheet

MANUFACTURER:

Northland Products 1000 Rainbow Drive Waterloo, IA 50704

Tel: +1-319-234-5585 +1-800-772-1724

SUPPLIER:

Deere & Company One John Deere Place Moline, IL 61265

Emergency telephone number

Emergency number

: Chemtrec 1-800-424-9300

Chemtrec (Outside USA) +1 703-527-3887 (24 hours)

Supplier: +1-309-748-5636 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute Tox. 4 (Oral) H302

Skin Irrit. 2 H315

H319 Eye Irrit. 2A

STOT RE 2

H373

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



GHS07

GHS08

Signal word (GHS-US)

Warning

Hazard statements (GHS-US)

H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation

H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure (oral)

Precautionary statements (GHS-US)

P260 - Do not breathe dust, fume, mist, spray, vapours

P264 - Wash hands thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P280 - Wear protective gloves, eye protection, protective clothing

P301+P312 - If swallowed: Call a a doctor, a POISON CENTER if you feel unwell

P302+P352 - If on skin: Wash with plenty of water

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing P314 - Get medical advice/attention if you feel unwell

P321 - Specific treatment (see on this label)

P330 - Rinse mouth

P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: get medical advice/attention P362 - Take off contaminated clothing and wash before reuse

P501 - Dispose of contents/container to comply with applicable local, national and international

regulation.

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Other hazards

other hazards which do not result in classification

: Spills of this product present a serious slipping hazard.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

Name	Product identifier	%	GHS-US classification
Ethylene glycol	(CAS No) 107-21-1	45 - 50	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
Sodium tetraborate decahydrate	(CAS No) 1303-96-4	0.5 - 1.5	Repr. 1B, H360
Sodium hydroxide	(CAS No) 1310-73-2	0.5 - 1.5	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Assure fresh air breathing. If breathing is difficult, give oxygen. In all cases of doubt, or when symptoms persist, seek medical advice.

First-aid measures after skin contact

Rinse and then wash skin thoroughly with water and soap. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eve contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. If redness, burning, blurred vision or swelling occur, fransport to nearest medical facility for additional treatment. Get medical advice/attention.

First-aid measures after ingestion

: If swallowed, rinse mouth with water (only if the person is conscious). Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries

: Causes damage to organs (kidneys) (Oral).

Symptoms/injuries after inhalation

Long-term (repeated). Inhalation of mist or aerosol may cause irritation to nose and throat.

Symptoms/injuries after skin contact

Causes skin irritation.

Symptoms/injuries after eye contact

Causes serious eye irritation. Swelling and inflammation.

Symptoms/injuries after ingestion

May be harmful if swallowed. Ingestion may cause nausea and vomiting. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. In the case of extreme exposure there is a risk of severe metabolic acidosis and haemorrhagy. Death in extreme cases. Symptoms may be delayed.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Symptoms may be delayed.

SECREDATE PROTEINING MEASURES

Extinguishing media

Suitable extinguishing media

: Foam. Dry powder. Carbon dioxide. Water fog. Water spray. Sand.

Unsuitable extinguishing media

: Do not use a water jet since it may cause the fire to spread.

5.2. Special hazards arising from the substance or mixture

Fire hazard

: When heated above the flash point, releases vapours. Gas/vapours, flammable.

Explosion hazard

: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters

Precautionary measures fire

: Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control. Gases/vapours, toxic.

Firefighting instructions

Exercise caution when fighting any chemical fire. Do not use direct water stream; may spread fire. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Cool closed containers exposed to fire with water spray. Prevent fire-fighting water from entering environment.

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Protective equipment for firefighters

: Wear approved self-contained breathing apparatus (set on positive pressure mode). Do not enter fire area without proper protective equipment, including respiratory protection.

Other information

Special danger of slipping by leaking/spilling product. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures 6.1.

General measures

Spilled material may present a slipping hazard. Stop leak if safe to do so. Eliminate all ignition

sources if safe to do so.

For non-emergency personnel 6.1.1.

Emergency procedures

: Evacuate unnecessary personnel.

For emergency responders 6.1.2.

Protective equipment

: Equip cleanup crew with proper protection.

Emergency procedures

: Ensure adequate ventilation, especially in confined areas.

6.2. Environmental precautions

Prevent contamination of soil, drains and surface waters. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up

Methods for cleaning up

: Approach from upwind. For small spills, absorb or cover with dry earth, sand, or other inert noncombustible absorbent material and place into waste containers for later disposal. Gather the product and place it in a spare container that has been suitably labelled. Consult the appropriate authorities about waste disposal. Large spills: Contain large spills to maximize product recovery or disposal. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Shovel into suitable and closed container for disposal. Minimize generation of dust. Store away from other materials. Ensure all national/local regulations are observed.

6.4, Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Additional hazards when processed

Precautions for safe handling

: Special danger of slipping by leaking/spilling product.

Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. Provide good ventilation in process area to prevent formation of vapour. Personal protective equipment should be selected based upon the conditions under which this product is handled or used. Empty container retains product residue. Use and store away from all naked flames, heat sources or working electrical appliances. Do not smoke.

Hygiene measures

Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Discard contaminated leather articles. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

Provide adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

Storage conditions

: Keep out of reach of children. Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place away from highly flammable substances. Keep away from open flames, hot surfaces and sources of ignition. Keep out of direct sunlight. Protect from moisture. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Incompatible materials

: Refer to Section 10 on Incompatible Materials.

Heat and ignition sources

: Remove all sources of ignition.

Storage area

: Store in dry, cool, well-ventilated area. Keep away from heat and direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 84 Exposure controls personal protection

8.1. Control parameters

Ethylene glycol (107-21-1)			4
USA ACGIH	ACGIH Ceiling (mg/m³)	100 mg/m³	

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Sodium tetraborate	decahydrate (1303-96-4)	
USA ACGIH	ACGIH TWA (mg/m³)	2 mg/m³
USA ACGIH	ACGIH STEL (mg/m³)	6 mg/m³

Sodium hydroxide (1310-73-	2)	
USA ACGIH	ACGIH Ceiling (mg/m³)	2 mg/m³
USA OSHA	OSHA PEL (TWA) (mg/m³)	2 mg/m³

Exposure controls

Appropriate engineering controls

: A washing facility/water for eye and skin cleaning purposes should be present. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. Ensure adequate ventilation.

Personal protective equipment

Avoid all unnecessary exposure. Personal protective equipment should be selected based upon the conditions under which this product is handled or used. For certain operations, additional Personal Protection Equipment (PPE) may be required. Gloves. Protective clothing. Protective goggles.







Hand protection

Wear protective gloves. Nitrile-rubber protective gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection

Chemical goggles or safety glasses, with side-shields. Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection Respiratory protection

Chemical resistant suit. Wear rubber boots. Wear suitable protective clothing.

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Use a properly fitted, air-purifying or air-fed respirator if neceassary.

Other information

: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

					properties

Physical state

: Liquid

Appearance

: Clear viscous liquid.

Colour odour

: Gold. Odourless.

Odour threshold

25 ppm

: 7.8 - 8.5

Relative evaporation rate (butyl acetate=1)

: 0.01

Melting point

: -13 °C (9 °F)

Freezing point

: No data available

Boiling point

129 °C (264 °F)

Flash point

No data available

Auto-ignition temperature

No data available

Decomposition temperature

: No data available

Flammability (solid, gas)

: No data available

1.07 - 1.08 g/cm³

Vapour pressure

< 0.008 kPa

Relative vapour density at 20 °C Relative density

Solubility

: Water: completely soluble

Log Pow

: -1.07

Log Kow

No data available

Viscosity, kinematic

No data available

Viscosity, dynamic

21 mPa.s

Explosive properties

No data available

Oxidising properties

No data available : No data available

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Explosive limits

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9.2. Other information

VOC content

: 49.5

SECTION 10: Stability and reactivity

Reactivity 10.1.

No additional information available

10.2. Chemical stability

Stable at normal conditions.

Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Oxidizing agents. Strong acids. strong bases. Contact with Aluminium, Zinc and Tin can cause formation of hydrogen that together with air can be an combustible mixture.

10.6. Hazardous decomposition products

unburned hydrocarbons. Fume. Carbon monoxide. Carbon dioxide.

SECTION 14: Toxicological information

11.1. Information on toxicological effects

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Acute toxic

: Harmful if swallowed.

John Deele Cool-Gaid It Lieu		
ATE CLP (oral)	500.000 mg/kg bodyweight	
Ethylene glycol (107-21-1)		
LD50 oral rat	4000 mg/kg	
LD50 dermal rabbit	9530 μl/kg	
ATE CLP (oral)	500.000 mg/kg	

Sodium te			

	"
D50 oral rat	2660 mg/kg
DOUDIALIAL	2000 11191119

Sodium hydroxide (1310-73-2)	
LD50 dermal rabbit	1350 mg/kg
ATE CLP (dermal)	1350.000 mg/kg bodyweight

Skin corrosion/irritation

: Causes skin irritation.

pH: 7.8 - 8.5

Serious eye damage/irritation

Causes serious eye irritation.

pH: 7.8 - 8.5

Respiratory or skin sensitisation

: Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity Carcinogenicity

: Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity

: Not classified (Conclusive but not sufficient for classification)

Specific target organ toxicity (single exposure)

: Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated

exposure)

: May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).

Aspiration hazard

: Not classified (Based on available data, the classification criteria are not met)

Potential Adverse human health effects and

symptoms

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

Symptoms/injuries after inhalation Symptoms/injuries after skin contact : Long-term (repeated). Inhalation of mist or aerosol may cause irritation to nose and throat.

: Causes skin irritation.

Symptoms/injuries after eye contact

: Causes serious eye irritation. Swelling and inflammation.

Symptoms/injuries after ingestion

: May be harmful if swallowed. Ingestion may cause nausea and vomiting. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. In the case of extreme exposure there is a risk of severe metabolic acidosis and haemorrhagy. Death in extreme cases. Symptoms may be delayed.

SECTION DE LE COMPANION DE LE

12.1. Toxicity

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Ethylene glycol (107-21-1)	
LC50 fishes 1	41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	14 - 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
Sodium hydroxide (1310-73-2)	
LC50 fishes 1	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
12.2. Persistence and degradability	
John Deere Cool-Gard™ II Premix	
Persistence and degradability	Not established.
12.3. : Bioaccumulative potential	
John Deere Cool-Gard™ Il Premix	
Log Pow	-1.07
Bioaccumulative potential	Not established.
Ethylene glycol (107-21-1)	
Log Pow	[-1.93
12.4. Mobility in soil No additional information available	
12.5. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal consideratio	
13.1. Waste treatment methods	
Waste disposal recommendations	: Dispose of contents/container to comply with applicable local, national and international
,	regulations. Liquid product may not be disposed of with household waste or landfilled. Do not allow to enter into drains/waters or in the soil. Do not re-use empty containers. Since emptie containers retain product residue, follow label warnings even after container is emptied. Dispos in a safe manner in accordance with local/national regulations. Dispose of at an licensed site.
Additional information	 Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Empty container retains product residue.
Ecology - waste materials	: Prevent contamination of soil, drains and surface waters. Avoid release to the environment.
SECTION 44: Than sport information	
In accordance with ADR / RID / IMDG / IATA / A	
14.1. UN number Not applicable	
14.2. UN proper shipping name Not applicable	2008年1月1日(1918年),是国家的对抗性的国际的国际的对抗性。2018年1日的发展的国际企业中的
14.3. Additional information Other information	: RQ value – Refer to section 15.
Overland transport No additional information available	
Transport by sea No additional information available	
At- 4	
•	
No additional information available	n.
Air transport No additional information available SECTION 155 Regulation/Informatio 15.1. US Federal regulations	n en
No additional information available SECTION 154 Regulation/Information 15.1. US Federal regulations	n
No additional information available	
No additional information available S⊒CIIION 455 Regulations/Informatio 15.1, US Federal regulations John Deere Cool-Gard™ Il Premix RQ (Reportable quantity, section 304 of EPA's	

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Ethylene glycol (107-21-1)	
EPA TSCA Regulatory Flag	Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactant included in a specified list of low concern reactants that comprises one of the eligibility criterity for the exemption rule.
RQ (Reportable quantity, section 304 of EPA's List of Lists):	5000 lb
SARA Section 313 - Emission Reporting	1.0 %
Sodium tetraborate decahydrate (1303-96-4)	
Listed on the United States TSCA (Toxic Substa	nces Control Act) inventory
Sodium hydroxide (1310-73-2)	
Listed on the United States TSCA (Toxic Substa	nces Control Act) inventory
RQ (Reportable quantity, section 304 of EPA's List of Lists):	1000 lb
5.2. International regulations ANADA	
The standard standard to the standard s	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
ANADA John Deere Cool-Gard™ II Premix WHMIS Classification	Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effect Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects
ANADA John Deere Cool-Gard™ II Premix WHMIS Classification Ethylene glycol (107-21-1)	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects
ANADA John Deere Cool-Gard™ II Premix WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects
ANADA John Deere Cool-Gard™ II Premix WHMIS Classification Ethylene glycol (107-21-1) Listed on the Canadian DSL (Domestic Sustance	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects es List) Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effect Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
ANADA John Deere Cool-Gard [™] II Premix WHMIS Classification Ethylene glycol (107-21-1) Listed on the Canadian DSL (Domestic Sustanc WHMIS Classification Sodium tetraborate decahydrate (1303-96-4)	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects es List) Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effect Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
ANADA John Deere Cool-Gard [™] II Premix WHMIS Classification Ethylene glycol (107-21-1) Listed on the Canadian DSL (Domestic Sustanc WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects es List) Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effect Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
ANADA John Deere Cool-Gard** II Premix WHMIS Classification Ethylene glycol (107-21-1) Listed on the Canadian DSL (Domestic Sustanc WHMIS Classification Sodium tetraborate decahydrate (1303-96-4) Listed on the Canadian DSL (Domestic Sustanc WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects es List) Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effect Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
ANADA John Deere Cool-Gard™ II Premix WHMIS Classification Ethylene glycol (107-21-1) Listed on the Canadian DSL (Domestic Sustanc WHMIS Classification Sodium tetraborate decahydrate (1303-96-4) Listed on the Canadian DSL (Domestic Sustanc	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects es List) Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effect Class D Division 2 Subdivision A - Very toxic material causing other toxic effects es List) Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU-Regulations

Ethylene glycol (107-21-1)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Sodium hydroxide (1310-73-2)	
Listed on the EEC inventory EINECS (European Ir	ventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP] No additional information available

Classification according to Directive 67/548/EEC or 1999/45/EC No additional information available

15.2.2. National regulations

Ethylene glycol (107-21-1)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Canadian IDL (Ingredient Disclosure List)

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Sodium tetraborate decahydrate (1303-96-4)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Japanese Pollutant Release and Transfer Register Law (PRTR Law)

Listed on the Canadian IDL (Ingredient Disclosure List)

Sodium hydroxide (1310-73-2)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Japanese Poisonous and Deleterious Substances Control Law

Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

Ethylene glycol (107-21-1)

- U.S. California SCAQMD Toxic Air Contaminants Non-Cancer Chronic
- U.S. California Toxic Air Contaminant List (AB 1807, AB 2728)
- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Delaware Pollutant Discharge Requirements Reportable Quantities
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Illinois Toxic Air Contaminants
- U.S. Louisiana Reportable Quantity List for Pollutants
 U.S. Maine Air Pollutants Hazardous Air Pollutants
- U.S. Massachusetts Allowable Ambient Limits (AALs)
- U.S. Massachusetts Allowable Threshold Concentrations (ATCs)
- U.S. Massachusetts Drinking Water Guidelines
- U.S. Massachusetts Rìght To Know List
- U.S. Massachusetts Threshold Effects Exposure Limits (TELs)
- U.S. Massachusetts Toxics Use Reduction Act
- U.S. Michigan Occupational Exposure Limits Ceilings
- U.S. Michigan Polluting Materials List
- U.S. Minnesota Groundwater Health Risk Limits
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits Ceilings
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- U.S. New Jersey Environmental Hazardous Substances List
- U.S. New Jersey Right to Know Hazardous Substance List U.S. New Jersey Water Quality Ground Water Quality Criteria
- U.S. New Jersey Water Quality Practical Quantitation Levels (PQLs)
- U.S. New York Reporting of Releases Part 597 List of Hazardous Substances
- U.S. North Dakota Air Pollutants Guideline Concentrations 1-Hour
- U.S. Oregon Permissible Exposure Limits TWAs
 U.S. California Safer Consumer Products Initial List of Candidate Chemicals and Chemical Groups
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels 1-Hour
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels Annual
- U.S. South Carolina Toxic Air Pollutants Maximum Allowable Concentrations
- U.S. South Carolina Toxic Air Pollutants Pollutant Categories U.S. Tennessee Occupational Exposure Limits Ceilings
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Vermont Permissible Exposure Limits Ceilings
- U.S. Washington Permissible Exposure Limits Ceilings
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 25 Feet to Less Than 40 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 40 Feet to Less Than 75 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 75 Feet or Greater
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights Less Than 25 Feet

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Sodium tetraborate decahydrate (1303-96-4) U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min) U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr) U.S. - Idaho - Non-Carcinogenic Toxic Air Poliutants - Acceptable Ambient Concentrations U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs) U.S. - Illinois - Toxic Air Contaminants U.S. - Massachusetts - Right To Know List U.S. - Michigan - Occupational Exposure Limits - TWAs U.S. - Minnesota - Hazardous Substance List U.S. - Minnesota - Permissible Exposure Limits - TWAs U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - ŘTK (Right to Know) List U.S. - Tennessee - Occupational Exposure Limits - TWAs U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term U.S. - Vermont - Permissible Exposure Limits - TWAs U.S. - Washington - Permissible Exposure Limits - STELs U.S. - Washington - Permissible Exposure Limits - TWAs U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater

U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet

Sodium hydroxide (1310-73-2) U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Acute U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728) U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min) U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr) U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs) U.S. - Idaho - Occupational Exposure Limits - TWAs U.S. - Louisiana - Reportable Quantity List for Pollutants U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1 U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2 U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1 U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2 U.S. - Massachusetts - Right To Know List U.S. - Massachusetts - Toxics Use Reduction Act U.S. - Michigan - Occupational Exposure Limits - Ceilings U.S. - Michigan - Polluting Materials List U.S. - Minnesota - Chemicals of High Concern U.S. - Minnesota - Hazardous Substance List U.S. - Minnesota - Permissible Exposure Limits - Ceilings U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - New Jersey - Special Health Hazards Substances List U.S. - New York - Occupational Exposure Limits - TWAs U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour U.S. - Oregon - Permissible Exposure Limits - TWAs U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 1-Hour U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - Annual U.S. - South Carolina - Toxic Air Pollutants - Maximum Allowable Concentrations U.S. - South Carolina - Toxic Air Pollutants - Pollutant Categories U.S. - Tennessee - Occupational Exposure Limits - Ceilings U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term U.S. - Vermont - Permissible Exposure Limits - Ceilings U.S. - Washington - Permissible Exposure Limits - Ceilings U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet

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SECTION 16: Other information

Other information

: None.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye Irritation, Category 2A
Repr. 1B	Reproductive toxicity Category 1B
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H360	May damage fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure

SDS US (GHS HazCom 2012)

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