

SAFETY DATA SHEET

1. Identification

Product identifier Gold Concentrated Antifreeze/Coolant

Other means of identification

FIR No. 189062

Recommended use Engine antifreeze/coolant

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name Ford Motor Company

Address Attention: SDS Information, P.O. Box 1899

Dearborn, Michigan 48121

USA

Telephone 1-800-392-3673

SDS Information 1-800-448-2063 (USA and Canada)

fordsds.com

Emergency telephone

numbers

Poison Control Center: USA and Canada: 1-800-959-3673 INFOTRAC (Transportation): USA and Canada 1-800-535-5053

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Acute toxicity, oral Category 4

Reproductive toxicity Category 1 Specific target organ toxicity, single exposure Category 1

Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

Specific target organ toxicity, repeated

exposure

Category 1
Category 3

Environmental hazards Hazardous to the aquatic environment, acute

hazard

Hazardous to the aquatic environment,

long-term hazard

Category 3

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statementHarmful if swallowed. May cause respiratory irritation. May damage fertility or the unborn child.
Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Do not breathe mist/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If inhaled: Remove

person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical

advice/attention.

Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

FIR No.: 189062 SDS US

Version: 01 1 / 8

Hazard(s) not otherwise classified (HNOC)

Irritating to eyes, respiratory system and skin. Aspiration may cause pulmonary edema and

pneumonitis.

Supplemental information

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
ETHYLENE GLYCOL		107-21-1	86 - < 100
2,2'-Oxydiethanol		111-46-6	0.3 - < 5
BORON SODIUM OXIDE (B4NA2O7), PENTAHYDRATE		12179-04-3	0.2 - < 2
sodium nitrite		7632-00-0	0.2 - < 0.5

4. First-aid measures

Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

Eve contact

Rinse with water. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Get medical advice/attention if you feel unwell.

Most important

symptoms/effects, acute and

delayed

Convulsions. Dizziness. Nausea, vomiting. Abdominal pain. May cause respiratory irritation.

Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Alcohol resistant foam. Powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Special protective equipment

During fire, gases hazardous to health may be formed. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

and precautions for firefighters

Move containers from fire area if you can do so without risk.

Fire fighting equipment/instructions

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes, skin, and clothing. Do not breathe mist/vapors, Keep people away from and upwind of spill/leak. Keep unnecessary personnel away. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up This product is miscible in water. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. The miscibility and distribution of this product in water has not been determined.

FIR No.: 189062 SDS US Version: 01 2/8

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Pregnant or breastfeeding women must not handle this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin, and clothing. Do not breathe mist/vapors. Avoid prolonged exposure. When using, do not eat, drink or smoke. Do not taste or swallow. Provide adequate ventilation. Should be handled in closed systems, if possible. Avoid release to the environment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Wear appropriate personal protective equipment. For personal protection, see Section 8 of the SDS.

Conditions for safe storage, including any incompatibilities Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits

US. ACGIH Threshold Limit Values Components	Туре	Value	Form
BORON SODIUM OXIDE (B4NA2O7), PENTAHYDRATE (CAS 12179-04-3)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
ETHYLENE GLYCOL (CAS 107-21-1)	STEL	10 mg/m3	Aerosol, inhalable
		50 ppm	Vapor fraction
	TWA	25 ppm	Vapor fraction
US. NIOSH: Pocket Guide to Chem	nical Hazards		
Components	Туре	Value	
BORON SODIUM OXIDE (B4NA2O7), PENTAHYDRATE (CAS 12179-04-3)	TWA	1 mg/m3	
US. Workplace Environmental Exp	oosure Level (WEEL) Guides		
Components	Туре	Value	
2.2' Oxydiathanal (CAS	Τ\Λ/Λ	10 ma/m2	

US. Workplace Environmental E	xposure Level (WEEL) Guides		
Components	Туре	Value	
2,2'-Oxydiethanol (CAS 111-46-6)	TWA	10 mg/m3	

Biological limit values

Appropriate engineering

controls

No biological exposure limits noted for the ingredient(s).

Use adequate ventilation to control airborne concentrations below the exposure limits/guidelines. If user operations generate a vapor, dust and/or mist, use process enclosure, appropriate local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits/guidelines.

Individual protection measures, such as personal protective equipment

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

Skin protection

Other

Suitable chemical protective gloves should be worn when the potential exists for skin exposure. Hand protection

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Nitrile gloves are recommended.

Wear appropriate chemical resistant clothing if applicable.

If engineering controls do not maintain airborne concentrations to a level which is adequate to Respiratory protection

protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection

Standard 29 CFR 1910.134 and/or Canadian Standard CSA Z94.4.

Wear appropriate thermal protective clothing, when necessary. Thermal hazards

General hygiene considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

FIR No.: 189062 SDS US Version: 01

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Aqueous solution.

Yellow Color

Characteristic. Odor Odor threshold Not available.

pН

Melting point/freezing point < 5 °F (< -15 °C) Initial boiling point and boiling > 300.2 °F (> 149 °C)

range

249.8 °F (121.0 °C) Flash point

Not available. **Evaporation rate** Not applicable. Flammability (solid, gas)

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available. Not available. Vapor pressure Not available. Vapor density

Relative density 1.1 (Water=1) Relative density temperature

59 °F (15 °C)

Solubility(ies)

Solubility (water) 100 %

Not available. Partition coefficient

(n-octanol/water)

Not available. **Auto-ignition temperature** Not available. **Decomposition temperature Viscosity** Not available.

10. Stability and reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport. Reactivity

Material is stable under normal conditions. Chemical stability

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular

weight hydrocarbons.

11. Toxicological information

Information on likely routes of exposure

Inhalation May cause damage to organs by inhalation. May cause irritation to the respiratory system.

Prolonged inhalation may be harmful.

Based on available data, the classification criteria are not met. Prolonged skin contact may cause Skin contact

temporary irritation.

Based on available data, the classification criteria are not met. Direct contact with eyes may Eye contact

cause temporary irritation.

Harmful if swallowed. Ingestion

Symptoms related to the physical, chemical and toxicological characteristics

Issue Date: 02-20-2023

Convulsions. Dizziness. Nausea, vomiting. Abdominal pain. May cause respiratory irritation.

Information on toxicological effects

Harmful if swallowed. **Acute toxicity**

FIR No.: 189062 SDS US Version: 01

4/8

omponents	Species	
2'-Oxydiethanol (CAS 111-	46-6)	
<u>Acute</u>		
Dermal	Dabbit	44900 mm m/l/cm
LD50	Rabbit	11890 mg/kg
Oral	0-4	2200
LD50	Cat	3300 mg/kg
	Dog	9000 mg/kg
	Guinea pig	8700 mg/kg
		14 g/kg
	Mouse	26500 mg/kg
		23700 mg/kg
		13.3 g/kg
	Rabbit	26.9 g/kg
	Rat	16600 mg/kg
		12570 mg/kg
		15.6 g/kg
Other		10.0 g/kg
LD50	Mouse	22500 mg/kg
2200		9.6 g/kg
	Rabbit	
		2000 mg/kg
	Rat	18800 mg/kg
		7700 mg/kg
		18.8 g/kg
		8.9 g/kg
DRON SODIUM OXIDE (B	4NA2O7), PENTAHYDRATE (CAS 12179-	8.9 g/kg 7.7 g/kg
RON SODIUM OXIDE (B Acute	4NA2O7), PENTAHYDRATE (CAS 12179-	8.9 g/kg 7.7 g/kg
<u>Acute</u> Dermal		8.9 g/kg 7.7 g/kg -04-3)
<u>Acute</u>	4NA2O7), PENTAHYDRATE (CAS 12179- Rabbit	8.9 g/kg 7.7 g/kg
Acute Dermal LD50 Inhalation	Rabbit	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg
Acute Dermal LD50		8.9 g/kg 7.7 g/kg -04-3)
Acute Dermal LD50 Inhalation LC50 Oral	Rabbit Rat	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours
Acute Dermal LD50 Inhalation LC50	Rabbit	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50	Rabbit Rat Rat	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours
Acute Dermal LD50 Inhalation LC50 Oral LD50	Rabbit Rat Rat	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS	Rabbit Rat Rat 107-21-1)	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS	Rabbit Rat Rat	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral	Rabbit Rat Rat 107-21-1) Rabbit	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50	Rabbit Rat Rat 107-21-1)	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral	Rabbit Rat Rat 107-21-1) Rabbit	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral	Rabbit Rat Rat 107-21-1) Rabbit Cat	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg 9530 mg/kg 1650 mg/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral	Rabbit Rat Rat 107-21-1) Rabbit Cat	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg 9530 mg/kg 1650 mg/kg > 8.81 g/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral	Rabbit Rat Rat 107-21-1) Rabbit Cat Dog	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg 9530 mg/kg 1650 mg/kg > 8.81 g/kg 5500 mg/kg 8.2 g/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral	Rabbit Rat Rat 107-21-1) Rabbit Cat Dog Guinea pig Mouse	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg 9530 mg/kg 1650 mg/kg > 8.81 g/kg 5500 mg/kg 8.2 g/kg 14.6 g/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral LD50	Rabbit Rat Rat 107-21-1) Rabbit Cat Dog Guinea pig	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg 9530 mg/kg 1650 mg/kg > 8.81 g/kg 5500 mg/kg 8.2 g/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral LD50 Oral LD50	Rabbit Rat Rat 107-21-1) Rabbit Cat Dog Guinea pig Mouse Rat	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg 9530 mg/kg 1650 mg/kg > 8.81 g/kg 5500 mg/kg 8.2 g/kg 14.6 g/kg 5.89 g/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral LD50	Rabbit Rat Rat 107-21-1) Rabbit Cat Dog Guinea pig Mouse	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg 9530 mg/kg 1650 mg/kg > 8.81 g/kg 5500 mg/kg 8.2 g/kg 14.6 g/kg 5.89 g/kg 10 g/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral LD50 Oral LD50	Rabbit Rat Rat 107-21-1) Rabbit Cat Dog Guinea pig Mouse Rat Mouse	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg 9530 mg/kg 1650 mg/kg > 8.81 g/kg 5500 mg/kg 8.2 g/kg 14.6 g/kg 5.89 g/kg 10 g/kg 5.8 g/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral LD50 Oral LD50	Rabbit Rat Rat 107-21-1) Rabbit Cat Dog Guinea pig Mouse Rat	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg 9530 mg/kg 1650 mg/kg > 8.81 g/kg 5500 mg/kg 8.2 g/kg 14.6 g/kg 5.89 g/kg 10 g/kg 5.8 g/kg 5010 mg/kg
Acute Dermal LD50 Inhalation LC50 Oral LD50 HYLENE GLYCOL (CAS Acute Dermal LD50 Oral LD50 Oral LD50	Rabbit Rat Rat 107-21-1) Rabbit Cat Dog Guinea pig Mouse Rat Mouse	8.9 g/kg 7.7 g/kg -04-3) > 1055 mg/kg > 0.002 mg/l, 4 Hours 2660 mg/kg 9530 mg/kg 1650 mg/kg > 8.81 g/kg 5500 mg/kg 8.2 g/kg 14.6 g/kg 5.89 g/kg 10 g/kg 5.8 g/kg

Version: 01 Issue Date: 02-20-2023 Components Species Calculated/Test Results

sodium nitrite (CAS 7632-00-0)

<u>Acute</u>

Inhalation

LC50 Rat 5.5 mg/l, 4 Hours

Oral

LD50 Mouse 175 mg/kg

Rabbit 186 mg/kg
Rat 85 mg/kg

Other

LD50 Mouse 158 mg/kg

Rat 65 mg/kg

Skin corrosion/irritation

Serious eye damage/eye irritation

Prolonged skin contact may cause temporary irritation. Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Risk of cancer cannot be excluded with prolonged exposure.

IARC Monographs. Overall Evaluation of Carcinogenicity

sodium nitrite (CAS 7632-00-0) 2A Probably carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Reproductive toxicity May damage fertility or the unborn child.

Specific target organ toxicity -

single exposure

Causes damage to organs. Lungs. Central nervous system. Heart. Blood. Kidneys. May cause

respiratory irritation.

Specific target organ toxicity -

repeated exposure

Causes damage to organs through prolonged or repeated exposure. Lungs. Central nervous

system. Heart. Blood. Kidneys.

Aspiration hazard If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary

injury or death.

Chronic effects Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated

exposure. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

Ecotoxicity

Components Species Calculated/Test Results

2,2'-Oxydiethanol (CAS 111-46-6)

Aquatic

Fish LC50 Western mosquitofish (Gambusia affinis) > 32000 mg/l, 96 hours

BORON SODIUM OXIDE (B4NA2O7), PENTAHYDRATE (CAS 12179-04-3)

Aquatic

Fish LC50 Western mosquitofish (Gambusia affinis) 104 mg/l, 96 hours

ETHYLENE GLYCOL (CAS 107-21-1)

Aquatic

Fish LC50 Fathead minnow (Pimephales promelas) 8050 mg/l, 96 hours

sodium nitrite (CAS 7632-00-0)

Aquatic

Crustacea EC50 Greasyback shrimp (Metapenaeus 16.14 - 26.61 mg/l, 48 hours

ensis)

Fish LC50 Rainbow trout, donaldson trout 0.13 - 0.26 mg/l, 96 hours

(Oncorhynchus mykiss)

FIR No.: 189062 SDS US
Version: 01 6 / 8

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

2,2'-Oxydiethanol -1.47 ETHYLENE GLYCOL -1.36

Mobility in soil No data available. This product is miscible in water and may not disperse in soil.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow

this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

with chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

Not established.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

ETHYLENE GLYCOL (CAS 107-21-1) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

chemical

Yes

Classified hazard

Acute toxicity (any route of exposure)

categories

Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

 Chemical name
 CAS number
 % by wt.

 ETHYLENE GLYCOL
 107-21-1
 86 - < 100</td>

FIR No.: 189062 SDS US
Version: 01 7 / 8

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

ETHYLENE GLYCOL (CAS 107-21-1)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Contains component(s) regulated under the Safe Drinking Water Act.

(SDWA)

US state regulations

California Proposition 65



WARNING: This product can expose you to ETHYLENE GLYCOL, which is known to the State of California to

cause birth defects or other reproductive harm. For more information go

to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Developmental toxin

ETHYLENE GLYCOL (CAS 107-21-1) Listed: June 19, 2015

International Inventories

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

16. Other information, including date of preparation or last revision

Issue date 02-20-2023

Version 01

HMIS® ratings Health: 1

Flammability: 1 Physical hazard: 0

NFPA ratings Health: 1

Flammability: 1 Instability: 0

Preparation Information and

Disclaimer

This document was prepared by FCSD-Toxicology, Ford Motor Company, Diagnostic Service Center II, 1800 Fairlane Drive, Allen Park, MI 48101, USA, based in part on information provided by the manufacturer. The information on this data sheet represents our current data and is accurate to the best of our knowledge as to the proper handling of this product under normal conditions and in accordance with the application specified on the packaging and/or technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user. To the extent that there are any differences between this product's Safety Data Sheet (SDS) and the consumer

packaged product labels, the SDS should be followed.

Part number(s) VC-7-B, VC-7-B1, VC-7-D

FIR No.: 189062 SDS US
Version: 01 8 / 8