

MATERIAL SAFETY DATA SHEET

INHIBITED PROPYLENE GLYCOL

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SECTION 1

MANUFACTURER INFORMATION

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SECTION 2

PRODUCT IDENTIFICATION

PRODUCT NUMBER..... HZ PGI
TRADE NAME OR CHEMICAL NAME... INHIBITED PROPYLENE GLYCOL
SYNONYMS..... NA
CHEMICAL FAMILY..... Antifreeze
NFPA - HEALTH HAZARD..... 1
FIRE HAZARD..... 1
REACTIVITY HAZARD..... 0
NFPA SCALE..... 4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant
KEY..... NA= Not Applicable ND= Not Determined

SECTION 3

HAZARDOUS INGREDIENTS

CHEMICAL NAME(S)	CAS NUMBER	% WT	TLV-TWA	PEL	SEC.313	CARCINOGEN?
Propylene Glycol	57-55-6	>90	Not Established	Not Established	No	No

SECTION 4

SHIPPING DATA

D.O.T. PROPER SHIPPING NAME... NA
D.O.T. HAZARD CLASS..... NA
D.O.T. LABELS REQUIRED..... NA
UN/NA I.D. NUMBER..... NA
PACKAGING GROUP..... NA
NON-BULK SHIPPING NAME..... Compounds, Anti-freezing, Liquid
BULK SHIPPING NAME..... Same

SECTION 5

PHYSICAL DATA

BOILING/FREEZING POINT @760 mmHg... 370°F (188°C) / -40°F (-40°C)
pH..... 9.6 (10% Solution)
VAPOR PRESSURE mm Hg @20° C..... 0.22
VAPOR DENSITY (Air = 1)..... 2.62
PERCENT VOLATILE BY WEIGHT (%)..... <5
SPECIFIC GRAVITY @20°C..... 1.05
SOLUBILITY IN WATER..... Complete
EVAPORATION RATE..... (Water=1) <1
APPEARANCE AND ODOR..... Colorless, red or yellow liquid with faint odor.

SECTION 6

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... 212°F (102°C) T.O.C.
AUTOIGNITION TEMPERATURE..... ND
FLAMMABILITY LIMITS IN AIR (% V)... LFL: 2.6% @ 100°C, UFL: 12.5% @ 130°C

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SECTION 6 FIRE AND EXPLOSION HAZARD DATA

CONT'D

EXTINGUISHING MEDIA..... Water fog, dry chemical, carbon dioxide
SPECIAL FIRE FIGHTING PROCEDURES... Wear full protective clothing and self-contained breathing apparatus.
UNUSUAL FIRE & EXPLOSION HAZARDS... Cool drums to prevent rupture.

SECTION 7 REACTIVITY DATA

PRODUCT STABILITY..... Stable over normal temperature range -30°F to 250°F
Conditions to Avoid..... NA
CHEMICAL INCOMPATIBILITY..... Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS... During combustion- carbon monoxide, carbon dioxide and unidentified organic compounds
HAZARDOUS POLYMERIZATION..... Will Not Occur

SECTION 8 HEALTH HAZARD DATA

SKIN CONTACT... Extended contact may cause skin irritation in extremely sensitive people.
EYE CONTACT.... May cause irritation.
INHALATION..... Irritation unlikely, but avoid inhalation.
INGESTION..... Irritation unlikely, do not ingest.

SECTION 9 EMERGENCY AND FIRST AID PROCEDURES

SKIN.....Wash exposed skin with soap and water. Launder contaminated clothing before reuse.
EYES.....Promptly flush eyes with large amounts of water. Get medical attention if any discomfort persists.
INGESTION....If swallowed, DO NOT INDUCE VOMITING. Get medical attention. Never give anything by mouth to an unconscious person.
INHALATION...Move to fresh air. Get medical attention if indicated.

SECTION 10 ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES... Absorb onto inert material and place in suitable containers for disposal. Do not flush directly into open waterways.
WASTE DISPOSAL METHOD..... Dispose of in accordance with all federal, state and local regulations.
HAZARDOUS WASTE 40CFR261... NA
CONTAINER DISPOSAL..... Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.

SECTION 11 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....Respirator not required with most applications.
VENTILATION.....Local exhaust is generally sufficient to minimize exposure.
PROTECTIVE CLOTHING.....Neoprene gloves, apron, boots - as necessary to prevent skin contact.
EYE PROTECTION.....Chemical goggles.
OTHER PRECAUTIONS.....Safety shower and eyewash fountains should be easily accessible.

SECTION 12 SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.