



Xaerus XR 532-3MAF

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Material Safety Data Sheet

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name in English: XAERUS XR 532-3MAF
Synonyms: NONE
Product Codes: Same
Supplier: Global Refrigerants (S) Pte Ltd
Address: No.9 TUAS LINK 1, SINGAPORE 638587
Website: www.globalrefrigerants.com.sg
Email: msds@globalrefrigerants.com.sg
Telephone: +6568633983
Telefax: +6568636330
Emergency Phone: 989-486-8330
CHEMICAL NAME: TRADE SECRET
CHEMICAL FAMILY: Hydrotreated Mineral Oil
CHEMICAL FORMULA: NA
CAS NUMBER: NA

PRPDUCT USE: INDUSTRIAL LUBRICANT
PREPARED BY: CHEMICALS BUSINESS GROUP

SECTION 2- COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENT NAME	POLYOL ESTERS OF FATTY ACIDS		
CAS Number:	%WT	% VOL	SARA 313 REPORTABLE
NA	>99		NA
	PPM	MG/M ³	
OSHA PEL-TWA:	NA		
OSHA PEL-STEL:	NA		
OSHA PEL-CEILING:	NA		
ACGIH TLV-TWA:	NA		
ACGIH TLV-STEL:	NA		
ACGIH TLV CEILING;	NA		

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This material has no known hazards under applicable news.
Routes of Entry:
EYES: May cause temporary irritation
SKIN: May cause temporary irritation
INGESTION: NA
INHALATION: NA
ACUTE HEALTH HAZARDS: NA
CHRONIC HEALTH HAZARDS: NA
MEDICAL CONDITIONS GENERALLY
CARCINOGENICITY OSHA: NA
ACGIH: NA
NTP: NA
IARC: NA
OTHER: NA

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SECTION 4 – FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes. Remove contact lenses after 1-2 minutes of flushing. If Irritation develops seek medical attention

SKIN: Wash affected area with soap and water

INGESTION: If swallowed and symptoms develop seek medical attention

INHALATION: Move victim to fresh air. If symptoms persist, seek medical attention.

NOTES TO PHYSICIAN OR FIRST AID PROVIDER: NA

SECTION 5- FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR (% BY VOLUME) **UPPER:** **NA**
LOWER **NA**

FLASH POINT:

°F 446-597°F

°C 230=314°C

METHOD USED: ASTM D-92

AUTOIGNITION TEMPERATURE:

°F NA

°C

NFPA HAZARD CLASSIFICATION:

HEALTH: **0** **FLAMMABILITY:** **1** **REACTIVITY:** **0**

OTHER:

HMIS HAZARD CLASSIFICATION:

HEALTH: **0** **FLAMMABILITY:** **1** **REACTIVITY:** **0**

PROTECTION:

EXTINGUISHNG METHOD: Dry chemical, CO2, Foam, water spray

SPECIAL FIREFIGHTING PROCEDURES: Self contained breathing apparatus and protective clothing

UNUSAL FIRE AND EXPLOSION HAARDS: This material may burn, but will not ignite readily. If container is not properly cooled. It can rupture in the heat of a fire.

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes, smoke, carbon monoxide , carbon dioxide

Notes: Low hazard, liquid can burn upon heating to elevated Temperatures.

SECTION 6- ACCIDENTAL RELEASE MEASURES:

ACCIDENTAL RELEASE MEASURES: Absorb the material with inert absorbent and dispose of in Accordance with federal, state and local news.

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SECTION 7 – HANDLING AND STORAGE:

HANDLING AND STORAGE: NO Special precautionary measures should be needed under anticipated conditions to use

OTHER PRECAUTIONS: NA

NOTES: Ground containers when transferring to avoid static discharge

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION:

ENGINEERING CONTROLS: None Established

VENTILATION: Good ventilation typically 10 air changes per minute should be used/

RESPIRATORY PROTECTION: If vapour or mist is generated wear a NIOSH/MSHA approved organic vapor/mist respirator

EYE PROTECTION: Approved safety glasses or goggles

SKIN PROTECTION: Protective clothing to minimize contact, gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NA

WORK HYGIENIC GUIDELINES: Follow standard safe industrial chemical handling practices.

EXPOSURE GUIDELINES: NA

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Clear yellow liquid

ODOR: Odorless

PHYSICAL STATE: LIQUID

PH AS SUPPLIED: NA

PH (OTHER): NA

BOILING POINT: °F: > 570 °C: > 300

MELTING POINT: °F: NM °C:

FREEZE POINT: °F: NM °C:

VAPOR PRESSURE (MM HG): NM

VAPOR DENSITY (AIR=1) NM

SPECIFIC GRAVITY (H2O=1) 0.96 – 1.02

EVAPORATION RATE: NM

BASIS (=1)

SOLUBILITY IN WATER: NEGLIBLE

PERCENT SOLIDS BY WEIGHT: NA

PERCENT VOLATILE: NM



BY WEIGHT: °F: NM °C:
BY VOLUME: °F: NM °C:
VOLATILE ORGANIC COMPOUNDS:
WITH WATER: LBS/GAL NM
WITHOUT WATER: LBS/GAL NM
MOLECULAR WEIGHT NM
VISCOSITY : @°F @°C:

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SECTION 10- STABILITY AND REACTIVITY:

STABLE: X UNSTABLE
STABILITY:
CONDITIONS TO AVOID (STABILITY) Temperatures above the boiling
INCOMPATIBILITY (MATERIALS TO AVOID) Avoid contact with strong oxidizers
HAZARDOUS DECOMPOSITION OR BY
PRODUCTS: NA
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID (POLYMERIZATION): NA

SECTION 11- TOXICOLOGICAL INFORMATION:

TOXICOLOGICAL INFORMATION: Not expected to cause eye irritation OR SKIN IRRITATION

SECTION 12- ECOLOGICAL INFORMATION:

FRESHWATER FISH TOXICITY: The acute LC50 is > 1000 mg/L based on component data.

SECTION 13 - DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL METHOD: Dispose of in accordance with all federal, state, and local laws.

RCRA HAZARD CLASS: Follow RCRA Regulation 40 CFR 261

SECTION 14 - TRANSPORT INFORMATION:

US DEPARTMENT OF TRANSPORTATION

SHIPPING DESCRIPTION:
HAZARD CLASS: Not regulated
ID NUMBER: NA
PACKING GROUP: NA
LABEL STATEMENT: NA

WATER TRANSPORTATION:

SHIPPING DESCRIPTION:
HAZARD CLASS: NA
ID NUMBER: NA
PACKING GROUP: NA
LABEL STATEMENT:



AIR TRANSPORTATION:

SHIPPING DESCRIPTION:

HAZARD CLASS: NA

ID NUMBER: NA

PACKING GROUP: NA

LABEL STATEMENT: NA

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SECTION 15- REGULATORY INFORMATION:

US FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components listed on the TSCA inventory

**CERCLA (COMPREHENSIVE RESPONSE
COMPENSATION AND LIABILITY ACT):** NA

**SARA TITLE III (SUPERFUND AMENDMENTS
AND REAUTHORISATION ACT):**

311/312 HAZARD CATEGORIES: NA

313 REPORTABLE INGREDIENTS: NA

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

