

MATERIAL SAFETY DATA SHEET

NAME OF MANUFACTURER / SUPPLIER

CAS Services cc.

BUSINESS / EMERGENCY TELEPHONE No

SYBRAND VAN NIEKERK PARK
MEYERTON, 1960, SOUTH AFRICA

EMAIL

+27 (0) 16 362 0021

DATE OF ISSUE

chomp@casservices.co.za

DATE OF REVISION (Valid for 5years)

May 2022

1 SUBSTANCE / PRODUCT IDENTIFICATION

PRODUCT NAME

CAS-C1

PRODUCT TYPE

Synthetic compressor oil

2 COMPOSITION INFORMATION

PRODUCT CHEMICAL FAMILY Mixture

HAZARDOUS INGREDIENTS / COMPOSITION	% W/w	Symbols/ Hazchem Codes	Risk Phrases
Hydro treated Mineral Oils	98 to 99	-	R52, R53
Olefin Sulphide	0.25 to 0.35	-	R53
Phosphoric acid esters, amine salt	0.1 to 0.2	N	R51/53

3 HAZARDS IDENTIFICATION

SYMBOLS

None

RISK PHRASES

R52, R53, Harmful to Aquatic organisms, may cause short term effects in the aquatic environment.

S61 avoid release of product into environment

4 FIRST AID MEASURES

INGESTION

DO NOT INDUCE VOMITING. Wash mouth with plenty of water. If conscious, give two glasses of water. Get immediate medical attention.

EYES

Flush with water for at least 30 minutes. Seek medical attention if eye irritation develops or persists.

SKIN

Wash with soap and water. Seek medical attention if irritation develops. Remove and launder contaminated clothing and discard products which are saturated with this material.

INHALATION

Remove exposed person to fresh air if adverse effects are observed. If breathing is laboured, administer oxygen.

ADDITIONAL INFORMATION

Note to physician: treat symptomatically.

5 FIRE FIGHTING MEASURES

FLASH POINT (TYPICAL)

>180°C (COC).

PRODUCTS OF COMBUSTION

Smoke, Carbon monoxide, Carbon dioxide, Aldehydes, and other products of incomplete combustion.

EXTINGUISHING MEDIA

Carbon dioxide, dry chemical or foam. Use water to cool and protect exposed material.

FIRE FIGHTING PROCEDURES

The wearing of self-contained breathing apparatus is recommended when dealing with a fire involving this material and when entering enclosed / confined spaces during a fire. Water may cause splattering.

UNUSUAL FIRE & EXPLOSIVE HAZARDS

Large surface areas exposed to air/oxygen (e.g. oil soaked rags, paper or absorbed spillage) may be more easily ignited and should be cleared up at once. Fumes, gases or vapours may evolve on combustion.

6 ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES

Wear appropriate protective equipment and clothing. Remove sources of ignition. Ventilate spill area. Soak liquid in inert absorbent material for disposal. Wash down floor area, as spillage may be slippery. Larger spillages should be diked, contained with Flexisorb and collected in a salvage container for disposal. Prevent entry of product into sewers and water ways. Disposal of material should be in accordance with local municipal or governmental regulations.

7 HANDLING AND STORAGE

HANDLING

Keep containers closed when not in use. Avoid breathing vapours. Wash thoroughly after handling. Empty containers contain residue, which may exhibit hazards of product.

STORAGE

Suitable storage materials are: - most common metals, polyethylene, and glass. Protect against extremes of temperature - do not store in direct sun light, or near open flames. Product should not be stored at temperatures below 0°C and above 40 °C.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS (O.E.L.) OTHER EXPOSURE LIMITS

No upper exposure limits determined for ingredients listed
This product contains mineral oil. Under conditions which will generate mists, observe the OSHA PEL of 5 Mg per Meter Cubed per Hour for an 8 Hour shift. Use only for the recommended applications.

VENTILATION PROCEDURES / ENGINEERING CONTROLS

Use local exhaust ventilation if mists or vapours are generated during machine operation. This product is not expected to produce large amounts of mists.

HAND PROTECTION EYE PROTECTION SKIN PROTECTION

Use with adequate ventilation. Avoid breathing spray formed during machine operations. Use gloves (Nitrile or Neoprene) when handling or working with the product. If potential for splash or mist exists, use chemical safety glasses or face shield. Industrial overall is suitable but protection of forearms is recommended. It is not recommended to wear articles such as watches, rings etc, which could entrap the material and cause a skin reaction.

9 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE VISCOSITY @ 40 °C

Light yellow Liquid
68 Centistokes.

ODOUR

Mild bland typical mineral oil odour

SPECIFIC GRAVITY @ 20°C

0.86 ± 0.1 g/cm³

PH @5% IN DISTILLED WATER

N/A insoluble in water

FLASH POINT

> 200°C

FREEZING POINT

< 5°C

MISCIBILITY WITH WATER

Not miscible / insoluble in water

MISCIBILITY WITH SOLVENTS

Miscible with most organic solvents

It is the policy of CAS Services cc. to continually improve the performance of their product range and therefore reserve the right to change their technical specifications without notice.

10 STABILITY AND REACTIVITY

STABILITY INCOMPATIBILITY POLYMERIZATION

Material is normally stable at moderately elevated temperatures and pressures
Oxidising agents.
This product is not expected to polymerize

11 TOXICOLOGICAL INFORMATION

<i>EYE IRRITATION</i>	Not expected to cause eye irritation.
<i>SKIN IRRITATION</i>	Not expected to be a primary skin irritant. Prolonged or repeated contact may cause mild skin irritation.
<i>RESPIRATORY IRRITATION</i>	If material is misted or if exposure to vapors generated through heating occurs, irritation of mucous membranes and upper respiratory tract may occur. Under normal standards of industrial hygiene, respiratory irritation should not occur.
<i>DERMAL TOXICITY</i>	This product is not expected to be dermally toxic.
<i>ORAL TOXICITY</i>	This product is not expected to be orally toxic.
<i>DERMAL / INHALATION SENSITIZATION</i>	This product is not expected to be a dermal or respiratory sensitizer.
<i>CHRONIC TOXICITY</i>	No data available to indicate product or components present at greater than 1 % are chronic health hazards.
<i>CARCINOGENICITY</i>	The product does not contain materials at greater than 0,1 % that are identified as carcinogens. This product is formulated with mineral oils which are not considered to be carcinogenic under IARC.
<i>MUTAGENICITY</i>	There is no data available to indicate that product or any components present at greater than 0,1 % are mutagenic or genotoxic.
<i>REPRODUCTIVE TOXICITY</i>	There is no data available to indicate that product or any components present at greater than 0,1 % may cause reproductive toxicity.
<i>TERATOGENICITY</i>	There is no data available to indicate that product or any components present at greater than 0,1 % may cause birth defects.

12 ECOLOGICAL INFORMATION

<i>WGK CLASSIFICATION</i>	WGK = 1. (Self classification)
<i>MOBILITY</i>	Not expected – insoluble in water
<i>BIODEGRADATION</i>	At least 25 % of the components in this product show moderate biodegradation based on OECD 301, and OECD 302 – type test data.
<i>BIOACCUMULATION</i>	This product, as supplied is not expected to bio-accumulate.
<i>ECOTOXITY</i>	This product is not expected to be ecologically toxic.

13 DISPOSAL CONSIDERATION

<i>WASTE DISPOSAL</i>	Material if discarded is not expected to be a characteristic hazardous waste. The main component of this product is severely refined mineral oil, which is considered a low hazard.
<i>CONTAINER DISPOSAL</i>	Disposal should be in accordance with local regulations. Do not incinerate closed containers. Dispose of containers in accordance with local or governmental regulations.

14 TRANSPORT INFORMATION

<i>UN NUMBER</i>	Not applicable (mixture)	<i>IMDG</i>	Not regulated
<i>UN CLASSIFICATION</i>	Not classified	<i>ICAO/IATA Class</i>	Not regulated
<i>PACKAGING GROUP</i>	Not applicable		
<i>UK 'PG' REGULATIONS</i>	This product is not classified as being hazardous for transportation.		

15 REGULATORY INFORMATION

CLASSIFICATION SYMBOL

None

RISK PHRASES

R52, R53. Harmful to Aquatic organisms, may cause long term effects in the aquatic environment.

SAFETY PHRASES

S 28, After contact with skin, wash immediately with water.
S37/39, wear suitable gloves and eye/face protection.
S 61 – Avoid release into the environment

16 OTHER INFORMATION

HMS CODES

Health	Fire	Reactivity
1	1	0

PRODUCT GUIDANCE

The data and advice given apply to the product as sold and for the stated application only. Use of the product for other applications not stated may give rise to risks not mentioned in this document. It is not recommended for other applications without seeking advice.

HEALTH & SAFETY GUIDANCE

If the product is for supply from a third party for use at work, it is your duty to take all necessary steps to ensure any person handling or using it is provided with the information in this document. If you are an employer it is your duty to familiarise your employees and others who may come into contact with the product, with the hazards described and any precautions that may be necessary in use, as required by the HSW Act, COSHH, Management of Health and Safety at work regulations or other health and safety legislations.

SOURCES OF KEY DATA

Manufacturers safety data sheets. National and international regulations.

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS CORRECT. WE DO NOT ASSUME ANY LIABILITY FOR THE CONSEQUENCES OF ITS USE SINCE THE INFORMATION MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE FOLLOWING THE RELEASE OF THIS DOCUMENT COULD SUGGEST MODIFICATION OF THE INFORMATION. FINAL DETERMINATION OF THE SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST. ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION