



BROBO GROUP®

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MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND PHYSICAL DATA

Trade Name	:	Brobolube
Manufacturer's code	:	9601480
Chemical Family	:	Tryacyl glycerol
CAS Number	:	8002-13-9
Use	:	Cutting fluid
Appearance	:	Pale yellow liquid at ambient temperatures Measured on a Lovibond using a 5.25" cell is 1.5 red 20 yellow
Odour	:	Deodorised Brobolube is odourless
Melting Point	:	Less than 0° C
Boiling Point	:	Decomposes, increasing rapidly above 330° C
Vapour Pressure	:	Negligible at 25° C
Moisture and Volatiles	:	0.1% max at 100° C
Specific Gravity	:	0.91 – 0.92 at 20° C
Flash Point	:	Greater than 300° C (open cup)
Viscosity	:	100 SUS at 70° F is equivalent to 20 CP at 21° C
Chemical Makeup	:	Deodorised Brobolube contains no traces of sulphurs, chlorines, Phenols or nitrites
Toxicity	:	Non toxic
Corrosiveness	:	Non corrosive but will affect some types of rubber
Dilution	:	Cannot be diluted
Solubility	:	Insoluble in water. Soluble in hydrocarbons, chlorinated solvents, esters. Slightly soluble in alcohols, ketones, increasing with lower polarity. Miscible with lower fatty acids.

HEALTH HAZARD INFORMATION

Adverse health effects : None known

First Aid : Only needed if splashed by hot liquid (Brobolube), in which case treat for burns as appropriate.

PRECAUTIONS FOR USE

Exposure Limits : None known

Ventilation : Not applicable

Personal Protection : Only required if high temperature oil could cause burns to skin or eyes, in such cases wear appropriate protective apparel.

Flammability : Non flammable. Only combustible in bulk if heated over 350° C (approx). Fire risk low in bulk.

Hazard Rating : Not Hazardous

Other Precautions : Oil coatings on equipment, floors and clothing are slippery and may lead to physical injury due to falls. Footwear with anti slip soles should be worn.

SAFE HANDLING INFORMATION

Storage and Transport: Not hazardous. Oils should be stored in clean, dry, non tainting closed Vessels.

Storage Temperature : Exposure to above ambient temperatures degrades quality parameters of the oil at a rate dependent on temperature and time of exposure.

Effect of Light : Exposure to ultra violet light, especially sunlight must be minimised to prevent quality loss.

Spills : All spills will result in potentially hazardous slippery surfaces and should be dealt with promptly. Transfer spilled oil into non porous containers of suitable strength.
Clean up small spills with sand or other non combustible absorbent material.
Do not use finely divided combustible material (eg. sawdust) to soak up oil due to moderate risk of spontaneous combustion.
Do not allow oil to contaminate waste water, drains, streams or other natural water courses.

Waste Disposal : As per existing regulations.

Fire Fighting : CO 2, dry chemical, foam.

Other Information : Always work safely around open hatches on bulk tanks. The low density and relatively high viscosity of Brobolube oil makes flotation difficult.

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