



Mainlube Superior Maintenance Lubricants Pty Ltd

14 Underwood Ave, Botany NSW, 2017

Ph 02-9700-0880. ACN No. 001 748 876 Fax 02-9700-0881.

STATEMENT OF HAZARDOUS NATURE

Hazardous According to Criteria of Worksafe Australia

MATERIAL SAFETY DATA SHEET MAINLUBE 220

IDENTIFICATION

Product Name;	Mainlube 220 Radiator Flush.
Chemical Name:	Radiator Flush.
Other Names:	Not Applicable
Manufacturer's Product Code:	220.
UN Number:	2967.
Dangerous Goods Class	8.
Subsidiary Risk[s]:	No Data.
Hazchem Code:	2P.
EPG NO:	8A2.
Poisons Schedule Number:	S6(FED)
Uses:	Radiator Flush.

Page 1 of 4
Aug-06

PHYSICAL DESCRIPTION AND PROPERTIES

Colour:	Yellow liquid.
Appearance	Mobile Liquid with Acrid Smell.
Form:	Liquid
Boiling Point:	120°C..
Melting Point:	-5°C
Vapour Pressure:	<0.001mm Hg (1 Atm) @ 20°C
Specific Gravity:	(Water=1) @ room temperature, approx 1.4
Volatiles:	No Data.
Evaporation Rate:	As Water
Odour:	Acrid.?
Solubility in Water:	(by weight %) 100% @ 25°C,

FLASH POINT

Solvent:	Not applicable.
Flammability Limits:	Non Flammable
Auto ignition Temperature:	Non Flammable

OTHER PROPERTIES

Soluble in water in all proportions, may react violently or explosively with water if water is added to 220, never dilute 220 with water, always add 220 to water).?

MATERIAL SAFETY DATA SHEET MAINLUBE 220

Page 2 of 4
Aug-06

INGREDIENTS

Chemical Name	CAS Number	Proportion
Sulphamic acid	5329-14-6	>10%
Water		<70
Proprietary solvents and surfactants	None allocated	<20%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS:

Acute:

Swallowed:	Harmful if swallowed. Will cause damage to the mucous membranes. May cause severe burns to the mouth, throat and stomach. Ingestion can cause nausea and vomiting. Ingestion can result in abdominal pain.
Skin:	Irritating to skin.
Eyes:	Irritating to eyes.
Inhaled:	Harmful by inhalation. Possible harmful corrosive effects. High concentrations of vapour can cause severe irritation of the respiratory.

Chronic:

LC 50:	No Data
LD 50:	140 mg/kg

FIRST AID:

Keep out of reach of children.

Swallowed:	Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT INDUCE VOMITING. Seek immediate medical assistance. Poison Information Centres in each State capital city can provide additional assistance for scheduled poisons.
Skin:	After contact with skin, wash immediately with plenty of Water.
Eyes:	In case of contact with eyes, rinse immediately with plenty of water and contact a Doctor or Poisons Information Centre.
Inhaled:	Remove victim from exposure-avoid becoming a causality. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek medical attention.

FIRST AID FACILITIES:

ADVICE TO PHYSICIANS:

Consult Poisons Information Centre. Treat symptomatically as for acids.

PRECAUTIONS FOR USE:

Exposure Standards:	TLV/TWA: 1 mg/m ³ , STEL: 3 mg/m ³ Worksafe Australia
Engineering Controls:	Maintain concentration below recommended exposure limit. Use with local exhaust ventilation or: combination particulate/gas respirator, Class 8, (Inorganic Vapour). Self contained breathing apparatus may be needed for prolonged periods of exposure.

MATERIAL SAFETY DATA SHEET MAINLUBE 220

Page 3 of 4
Aug-06

Personal Protection:?

The following personal protective equipment must be worn. Overalls or similar protective apparel.

Personal Protection:

Safety glasses, goggles or face shield as appropriate.

Rubber boots. Elbow-length PVC gloves.

Splash apron. Wash contaminated clothing and protective equipment before storing/re using. Avoid all contact.

Flammability:

The product is considered non-combustible.

SAFE HANDLING INFORMATION

Storage and Transport:?

Store in well ventilated area. Store in a cool, dry place. Keep dry-reacts with water; may lead to drum rupture. Keep container well sealed.

Storage Temperature:?

Cool place

UN Class:

8

Packaging Group:

III

UN Number:

2967 (Air freight)

UN Number

IMDG 8183 (Sea Freight)

EPG Number:

8A2

Correct Shipping Name:

Sulphamic Acid.

Spills and Disposals:

Prevent run off into drains and waterways. For large spills, notify Emergency Services.

Fire/Explosion Hazard:

Decomposes on heating emitting toxic fumes Oxides of sulphur. Reacts violently with water.

Decomposition Products:

Oxides of Sulphur

Hazchem Code:

2P

Extinguishant:

In case of fire, use extinguisher appropriate for burning material. Water used on adjacent fires must be carefully handled if acid has spilt.

DANGER OF VIOLENT REACTION OR EXPLOSION: No

Decomposes on heating emitting toxic fumes Oxides of sulphur. Reacts upon contact with water.

Protective Clothing;

For larger spills Fire fighters should wear full protective clothing including self contained breathing apparatus.

Appropriate Measures;?

No Data.

Evacuate;?

No Data.

OTHER INFORMATION:

220 Can cause burns of skin on short contact and is injurious to the eyes.

MATERIAL SAFETY DATA SHEET MAINLUBE 220

Page 4 of 4
Aug-06

ENVIRONMENTAL COMMENTS:

Mobility	This material is volatile and water soluble. It may contaminate water, soils or sediments.
Degradability	Once this product has reacted it is expected to readily biodegrade.
Accumulation	This product is not expect to bioaccumulate

CONTACT POINT:

Mr Steve Simmonds
Mainlube Superior Maintenance Lubricants Pty Ltd.
14 Underwood Ave, Botany. NSW, 2019, Australia
Ph 02-9700-0880. Fax 02-9700-0881.
Mob 0412-644-244.

24 Hour Emergency Tel No. Above Mobile Phones

Emergency Services

Dial 000

We believe the statement, technical information and recommendation contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assure no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.