

MATERIAL SAFETY DATA SHEET

1. IDENTITY OF MATERIAL

PRODUCT NAME : Alumunium Cutting Oil
SYNONYM : NAFFCOOL # 211AL
CHEMICALS FAMILY : Lubricant
FORMULA : Proprietary

2. COMPOSITION INGREDIENTS

MATERIAL	CAS NUMBER	TLV (Unit)	OSHA PEL
Mineral Oil	-----	-----	-----

Other ingredients are extreme pressure additives, corrosion inhibitor.
Does not contain any chlorine or chlorine additives.

3. PHYSICAL DATA

Physical State : Liquid
Color : Bright & Clear
Specific Gravity : 0.88
Flash Point °C : 240
Odor : Typical
Solubility in Water : Insoluble

4. FIRST AID MEASURES

General :
In all causes of doubt seek medical attention.

Inhalation :

None

Skin contact :

Remove contaminated (drenched) clothing. Wash skin with soap and water.
Do not use solvent or thinners.

Eye contact :

Rinse thoroughly with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention if necessary.

Ingestion :

Obtain medical attention if necessary. Give water and medical coal.
Do not induce vomiting if the person is in shock.

5. FIRE-FIGHTING MEASURES

Extinguishing media :

Foam dry powder, CO₂.

For safety reasons inappropriate extinguishing methods :

Water.

Special hazards caused by the product, its combustion products or resulting gas :

None.

Special Protective Measures :

None.

General Information :

Cool closed containers exposed to fire with water to avoid damage to the containers.

6. HANDLING AND STORAGE

Handling :

Do not eat, drink or smoke while handling the product. Keep the product on containers of the same material as the original one. Comply with the health and safety at work laws.

Storage :

Store between 5 and 35°C in a dry place. Containers which are opened must be

carefully closed and kept upright to prevent leakage.
In order to preserve product quality protect from extreme temperatures.

7. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures :
Provide adequate ventilation if necessary.

General Protective and Hygienic Measures :
Adhere to common industrial hygiene!

Personal Protective Measures :

Hand protection :
Recommended for prolonged or repeated contact.
Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. If necessary wear gloves.

Eye protection :
Use safety eyewear designed to protect against splashing of liquids if necessary.

8. STABILITY AND REACTIVITY

Material to be avoided :
No special

Thermal combustion :
None in case of proper handling/storage.

Hazardous decomposition products :
No special

9. TOXIOLOGICAL INFORMATION

Due to its chemical composition it is expected that the product has an irritating effect on eyes and skin in case of contact.

Empirical data on effects on humans :
In case of proper handling, no negative effects have become known so far .

10. ECOLOGICAL INFORMATION

Mineral oil / hydrocarbon product

11. DISPOSAL CONSIDERATIONS

Product :

Adhere to federal, state and local regulations.

The product is used as a process chemical and is disposed off with the carrier fluid.

Empty containers are to be disposed off according to official regulations.

12. TRANSPORT INFORMATION

Land transport ADR/RID

Class : n.a.

item :

UN-No : n.a.

Contains :

Shipping data IMDG :

Class : n.a. UN-No : n.a.

Contains :

Page : n a. EmS-No : n.a. MFAG : n.a. Marine pollutant : n.a.

Air transport ICAO/IATA :

Class : n.a. UN-No : n.a.

Packaging group : n.a.

The product is a non hazardous substance in the sense of the transport regulations.

13. OTHER INFORMATION

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purpose than those specified under section I without first obtaining written handling instructions.

It is always the responsibility of the user to take all necessary steps in order to fulfill the demands laid down in the local rules and legislation.

The information in this MSDS is meant as the description of the safety requirements for our product, it is not to be considered as a guarantee of the products' properties.

This document is a system print-out and is valid without signature.

n.a. = not applicable.