

## MATERIAL SAFETY DATA SHEET

### 1. IDENTITY OF MATERIAL

PRODUCT NAME : **Water Soluble Casting Oil**  
SYNONYMS : **NAFFCOOL # 3000Cst**  
CHEMICALS FAMILY : **Machining Lubricant**  
FORMULA : **Proprietary**

### 2. INGREDIENTS

MATERIAL	%	CAS NUMBER	TLV(Unit)	OSHA PEL
Silicone Oil	< 30	-----	-----	-----
Biocide & Fungicide	< 1.0	-----	-----	-----

Other ingredients are lubricity, extreme pressure, surfactants, polymer, etc.  
These chemicals are non hazardous. Does not contain any chlorine or chlorine additives.

### 3. PHYSICAL DATA

MATERIALIS : Liquid  
SPECIFIC GRAVITY@ 20°C : 1.00  
VISCOSITY @ 20°C : 1.9  
APPEARANCE : Milky White  
BOILING POINT : NA  
ODOUR : Typical  
FLASH POINT : NA  
SOLUBILITY IN WATER : Miscible  
pH-VALUE : 9.2

### 4. POSSIBLE HAZARDS IDENTIFICATION OF THE PREPARATION

Designation :  
n.a.

Special information on human and environmental safety :  
n.a.

### 5. FIRE- FIGHTING MEASURES

Extinguishing media :  
All usual for fires in the surrounding area. The product is non-flammable.

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. 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 solvents or thinners.

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

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

## 7. ACCIDENTAL RELEASE MEASURES

Refer to protective measures listed in section 7 and 8. Pay attention to slippery ground due to Spillage. ( Contain and collect spillage with non combustible absorbent materials, e.g. Vermiculite, kieselguhr, sand and fill in container for disposal according to local regulations).  
Do not allow to enter drains or water.

If the product contaminates lakes, river or sewage's, inform appropriate authorities in accordance with local regulations.

Small quantities of residues may be drained using a lot of water.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures :

Provide adequate ventilation if necessary.

Exposure limits :

Occupational exposure limit for :

Names

Limits/Regulations

General protective and hygienic measures :

Adhere to common industrial hygiene !

Personal protection 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.

## 9. HANDLING AND STORAGE

Handling :

Do not eat, drink or smoke while handling the product. Avoid prolonged skin contact.

Keep the product in containers of the same material as the original one. Comply with the health and safety at work laws.

Storage :

Store between 5 and 30°C in a dry place. Containers which are opened must be carefully close and kept upright to prevent leakage.

In order to preserve product quality protect from extreme temperatures.

## 10. STABILITY AND REACTIVITY

Material to be avoided :

No special

Thermal combustion :

None in case of proper handling/storage

Hazardous decomposition products :

No special

## 11. TOXICOLOGICAL INFORMATION

Due to the chemical composition it is expected that the LD50-value is significantly above 2000mg/kg.

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

## 12. ECOLOGICAL INFORMATION

Industrial chemicals should not be allowed to enter drains or water courses  
In larger amounts.

## 13. DISPOSAL CONSIDERATIONS

Product :  
Adhere to federal, state and local regulations.

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

## 14. TRANSPORT INFORMATION

Land transport ADR/RID :  
Class : n.a. item :  
UN-No : n.a. item :  
Contains :

Shipping data IMDG :  
Class : n.a. UN-No : n.a.  
Contains :  
Page : n.a. EmS-No : n.a. MFGA : n.a. Marine pollutant : n.a.

Air transport ICAO/IATA :  
Class : n.a. UN-No : n.a.  
Packaging group : n.a.

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

## 15. REGULARY INFORMATION

Requirement according to the EC-Classification / Dangerous substances

Regulation :

The product non hazardous substance according to EC-regulations.

## 16. OTHER INFORMATION

The information of this MSDS is based on the present state of our knowledge and 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 purposes than those specified under section I without first obtaining written handling instructions.

It is always the responsibility of the user to take all necessary step in order to fulfil the Demands laid down in the local rules and legislations.

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

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

n.a = not applicable.

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