

## +PRODUCT SAFETY DATA SHEET

Product:	<b>ALCUT PLUS</b>	Page:1/5
Product code : 3892	Version: 1,02	Date:18/01/2002

### 1. Identification of the substance/preparation and of the Company

Identification of the substance or preparation:	ALCUT PLUS.
Type of product and use:	Metalworking lubricant
Company identification	PERTICI INDUSTRIES SRL.
Address And telephone Nr.:	Via delle Città 41/43 – 50052 CERTALDO (FI) ITALY
	Tel. (+39) 0571-652 365 Fax. (+39) 0571 652 991

### 2. Composition/Information on ingredients

Components:	Synthetic base stock
	Additives

### 3. Hazards identification

Important hazards:	This product is of low oral and dermal toxicity and under normal conditions of use should present no significant health hazards. However, in common with most mineral oils, prolonged and repeated skin contact may cause dermatitis. Handling precautions must be strictly observed
General information:	Any substance, in case of accidents involving pressurized circuits and the like, may be accidentally injected under the skin, even without external damage. In such a case, the victim should be brought to an hospital as soon as possible, to get specialized medical treatment.

### 4. First-aid measures.

Skin contact.	Take off contaminated clothing and shoes. Wash thoroughly with soap and water.
Eye contact:	Flush with large amounts of water; if irritation persists, seek medical attention.
Ingestion:	Do not induce vomiting to avoid aspiration into the lungs; make the patient drink plenty of water; bring immediately to an hospital and show the label to the doctor.

Aspiration of liquid into the lungs:	If there is the possibility that the product has been aspirated into the lungs (i.e. in case of spontaneous vomiting), transport the victim to the hospital.
Inhalation:	In case of exposure to a high concentration of vapours, remove the victim from exposure; keep at rest; if necessary, seek medical attention.

## 5. Fire-fighting measures.

Extinguishing media:	
- Suitable:	Carbon dioxide, dry chemicals, foam, water spray (fog).
- Not to be used:	Do not use water jets. They could cause splattering, and spread the fire.

Other information: Spilled product which is not burning should be covered with sand or foam. Use water sprays to cool the surfaces exposed to the flames.

Special protective equipment for firefighters: Wear a suitable breathing apparatus if smoke is present.

Useful precautions: Avoid accidental sprays on hot surfaces or electrical contacts.

## 6. Accidental release measures.

General measures:	Shut off source of spill, if possible.
Methods for cleaning up:	
- On soil:	Contain spilled liquid with sand, earth or other suitable absorbents. Recover free liquid. Clean contaminated area. Dispose of according to local regulations.
- On water:	Confine the spillage. Remove from surface by skimming or suitable absorbents. Notify local authorities according to regulations.

## 7. Handling and storage

Storage:	From 10° to 30 °C
Handling:	Store the product in cool, well ventilated surroundings. Keep away from sources of ignition.

## 8. Exposure controls/personal protection

Exposure limits:	No TLV-TWA values are reported (A.C.G.I.H. 2002)
Personal protection:	
- Open spaces:	No special measures

- Confined spaces:	Aspirators in case of oil mist; protective shields, in case of oil splashes.
Hand/eyes/skin protection:	Safety goggles, mineral oil resistant gloves, overalls. Gloves must be felt-lined.
Hygiene measures:	Do not drink, eat or smoke with dirty hands.
	Wash hands before going to the toilet.
	Do not clean hands with dirty or oil-soaked rags.
	Change clothes if they are dirty or soaked, and in any case at the end of the working shift.
	Wash hands with water and soap, do not use solvents or other irritant products which have a defatting effect on the skin.
	Drain and clean regularly the tanks, as risks increase with degradation and contamination of the product.

## 9. Physical and chemical properties (typical values)

Appearance:	Liquid, bright & clear (ASTM D 4176/1).
Odour:	Characteristic.
Colour:	Yellow-brown.
Density at 15° C:	975 kg/m <sup>3</sup> (ASTM D 1298)
Boiling point/range:	Not determined.
Vapour pressure:	Not determined.
Viscosity at 40° C:	N.A. (ASTM D 445).
Viscosity at 20° C:	105 mm <sup>2</sup> /s (ASTM D 445)
Solubility in water:	Emulsifiable in water
pH:	10 at 20° C (DIN 51369)
Pour point:	Not established (ASTM D 97)
Flash point:	Not applicable.
Auto-ignition temperature:	>150° C (DIN 51794)
Explosion limits:	
- Lower:	Not determined.
- Upper:	Not determined.
Partition coefficient (P <sub>o/w</sub> ):	Not determined.

## 10. Stability and reactivity

Thermal decomposition products:	CO <sub>x</sub> , NO <sub>x</sub> .
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Stability:	Stable product.
Hazardous reactions:	None
Materials to avoid:	Strong acids - Oxidating substances

### 11. Toxicological Information.

Oral toxicity:	LD50 greater than 5000 mg/kg
Dermal toxicity:	LD50 greater than 5000 mg/kg
Inhalation toxicity:	LC50 greater than 5 mg/l/4h
Other information:	* Not irritating to eyes and skin
	* Minor irritation may occur after prolonged or repeated contact, especially if normal hygienic rules are not respected.
	* None of the components of this product are listed as carcinogen by NTP, IARC, OSHA, EU or others
	* No components of this product are included in the EU list of dangerous substances (Annex I of Directive 67/548/EEC and its ATP's)

### 12. Ecological Information

General information:	Handle according to general working hygiene practices to avoid pollution and release into the environment.
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### 13. Disposal considerations.

Disposal of product:	Do not dispose of the spent emulsion by discharging into sewers, tunnel, lakes or water courses. Break the emulsion and follow official dispositions.
	Do not dispose of the product, either new or used, by discharging into sewers, tunnels, lakes or water courses. Deliver to a qualified official collector.
European Waste Catalogue Code:	12 01 10 (Ref: 2001/11/118/CE)
	12 01 09 (as emulsion/solution) (Ref: 2001/118/CE)
Disposal of packaging :	Dispose of in safe manner, in accordance with local regulations.

### 14. Transport Information.

RID/ADR:	Does not belong to any class of danger.
ICAO/IATA:	Does not belong to any class of danger.

IMO-IMDG code:	Does not belong to any class of danger.
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## 15. Regulatory Information

Applicable laws and regulations:	National laws on classification and labelling of dangerous substances/preparations (Adoption of Directive 67/548/CE and subsequent Adaptations to Technical Progress - ATP, and Directive 1999/45/CE).
	Relevant national laws on health and safety on the workplace.
	National adoption of Directives 89/391/CEE, 89/854/CEE, 89/655/CEE, 89/856/CEE, 90/269/CEE, 90/270/CEE, 90/394/CEE, 90/679/CEE, 93/88/CEE, 95/63/CE, 97/42/CE, 98/24/CE, 99/38/CE.
	Relevant national laws on prevention of water pollution.
	National adoption of Directive 75/439/CEE concerning disposal of used oils. Relevant national laws on recycling and re-use of waste materials.

## 16. Other Information

Nature of revision:	Correction in Section: 13.
	This Safety Data Sheets conforms to the dispositions of the Directives 88/379/EC and 91/155/EC.

This information relates only to the specific product and may not be valid if the product is used in combination with any other material or in any process.

The information in this sheet are according to our best knowledge at the date of printing.

This Safety Data Sheet has been checked and printed on 15/12/2002.