

## Material Safety Data Sheet

### 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Identification: **3210.58 BOBCAT SUPERIOR SH ISO 46**  
Application: Hydraulic lubricant.  
Company Identification: **PAKELO MOTOR OIL srl**  
Via Fontanelle – 37047 S. Bonifacio (VR)  
(Tel.+39 045-6101643)  
Emergency call: **Centro Antiveleni Ospedale Niguarda Milano**  
**Tel. +39 02 66101029**

### 2 - COMPOSITION / INFORMATION ON COMPONENTS

Chemical composition: Synthetic base stocks blended with anti-wear, anti-oxidation, anti-rust, anti-foam, pour point depressant, Viscosity Index Improver additives

Hazards components:	Zinc alkyldithiophosphate EU Number 272-028-3	< 1,1%	Xi N R 38-41-51/53
	Sulfur containing sterically hindered phenol	< 0,13 %	N R 51/53
	Alkylated diphenylamines	< 0,45 %	N R 51/53

Please refer to section 16 for more information about R phrases.

Content PNA/IP: The content of DMSO extract, determined with the IP 346/92 method is lower than 3% in weight.

### 3 - HAZARDS IDENTIFICATION

Hazards: The substance is not regarded as hazardous according to the Directive 1999/45/EC.  
Main risks to health: No particular risk under normal working conditions of use. We recommend, however, to keep normal personal hygiene avoiding frequent and long term exposure.  
Main risks to the environment: Use according to good working practice avoiding to dispel the product in the environment.

### 4 - FIRST AID

Inhalation: In case of exposure to high concentration of oil mist, move into fresh air. If you suspect that there has been inhalation, urgently go to hospital with the patient.  
Skin contact: Wash thoroughly with water and then with soap and water. In case of persistent irritation seek medical attention.  
Eyes contact: Flush immediately and thoroughly eyes with water. In case of persistent irritation, seek medical attention.  
Ingestion: Do not induce vomit. Seek medical help.  
Injection injury warning: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, seek medical help.

### 5 - FIRE FIGHTING MEASURES

Fire fighting Instructions: Extinguish flames with foam, dry chemicals or CO<sub>2</sub>. Do not use direct water sprays. Use water spray just to cool down surfaces exposed to fire.  
Combustion products: Carbon monoxide, carbon dioxide; traces of oxide of phosphorous, sulfur, zinc, nitrogen and unburnt hydrocarbon fumes.  
Special protective equipment: Wear overall protective clothes with self-breathing equipment.



## 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear gloves and protective glasses. In case of spills of considerable entity into bordering place, avoid to breathe exhalations; ventilate the area or wear protective breathing apparatus.
Environment precaution:	The product contains substances harmful to the aquatic environment. Avoid to drain the product into sewers or into waterways otherwise inform the relevant local authorities.
- land spill:	Control spilled product with earth or sand. Remove from the surface by skimming or with suitable absorbents. Dispel according to local regulations.
- water spill:	Confine the spill immediately. Remove from the surface by skimming or with suitable absorbents. Dispel according to local regulations.
Collecting and cleaning systems:	In case of large spills, control and transfer the product in suitable containers. Dispel according to local regulations.

## 7 - HANDLING AND STORAGE

Storage:	Keep the product in the original containers. Storage in a fresh place, away from heating sources and direct sun exposure. Avoid to accumulate electrostatic charge. Do not store in open or unlabelled containers. Maintain suitable ventilation of the work place.
Handling:	Avoid direct contacts with the product. Do not breath aerosol or product mist guaranteeing a suitable ventilation in working areas. Do not smoke and avoid any contact with ignition sources. Keep containers closed when not in use.
Empty containers:	Empty containers retain residue of the product. All containers should be disposed of in an environmentally safe manner and in accordance with local regulations.

## 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical Information:	Avoid the formation of hazes or aerosol by using proper ventilation.
Breathing equipment:	Not necessary under normal working conditions. Keep oil mists within the TLV-TWA limit of 5 mg/m <sup>3</sup> . (A.G.C.I.H. 2000). Use masks with filters for organic mist in case of exposure superior to the fixed limits.
Hands and skin protection:	Wear oil resistant gloves and protective working overalls in case of continued or prolonged contacts. Wear gloves only after having thoroughly washed your hands.
Protective glasses:	Wear safety glasses where there is possible product contact.

## 9 - CHEMICAL/PHYSICAL PROPERTIES

Color:	Orange.
Odor:	Typical.
Density at 15 °C, kg/l: (ASTM D1298)	0,855 ca.
Flash Point C.O.C., °C: (ASTM D92)	220 ca.
Viscosity at 40 °C, cSt : (ASTM D445)	48 ca.
Water solubility:	Insoluble
Pour Point, °C: (ASTM D97)	< -40
pH:	Not Applicable

## 10 - STABILITY AND REACTIVITY

Stability:	Stable product under normal use.
Reactivity:	Avoid contacts with strong acid, bases and oxidation agents. Avoid extreme heat and high energy sources of ignition.



## 11 - TOXICOLOGICAL INFORMATION (according to the data on the components)

Inhalation: Long term exposure to oil mist can cause irritation to the breathing apparatus.  
Oral Toxicity: LD50 (rats): > 2000 mg/kg (estimated). The product if ingested can irritate the digestive apparatus and induce vomiting, cause nausea and diarrhoea.  
Skin contact: LD50 skin (rabbit) > 2000 mg/kg (estimated). Frequent and continuous contacts should degrease skin and cause dermatitis.  
Eye contact: Can cause light irritation.

## 12 - ECOLOGICAL INFORMATION (according to the data on the components)

Degradability: Not determined.  
Mobility: The product floats on water.  
Bioaccumulation: Not determined.  
Ecotoxicity: In compliance with EEC Regulations the product is regarded as not harmful to the environment.  
LC50 acute for fresh water fish: 65 - 650 ppm.  
LC50 acute for of sea water fish: > 650 ppm.

## 13 - DISPOSAL CONSIDERATIONS

General Information: Do not dispel the environment. Comply with the current laws.  
Disposal: Discharge the exhausted products and the containers through the authorized industries in compliance with the state and local regulations and to regulations for disposal as special waste.

## 14 - TRANSPORT INFORMATION

Class ADR (road): Not classified.  
Class RID (railway): Not classified.  
Class IMO (sea): Not classified.  
Class IATA (air): Not classified.  
Transport name: SUPERIOR SH ISO 46

## 15 - REGULATORY INFORMATION

Labelling : None.  
Risk phrases: None.  
Safety advice: None.

## 16 - OTHER INFORMATION

Full R phrases: R38: Irritating to skin.  
R41: Risk of serious damage to eyes.  
R51/53: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.  
Other Information: This Safety Data Sheet complies with the Regulations 1999/45/EC and 2001/59/EC.

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