

## 1 - Preparation and company identification

Identification of the preparatio 1402 PAKELO AVIATION TURBO OIL EVO 2

Preparation use Turbine lubricant. Company PAKELO MOTOR OIL srl

Via Fontanelle - 37047 S. Bonifacio (Verona) - Italy-

(Tel.+39 045-6101643)

Emergency telephone +39 045 6101643 (Mon - Fri 8 - 12 / 14 - 18)

Urgently seek medical assistance. Transport to hospital or medical centre with MSDS.

If ingestion occurs contact Poisons Information Centre.

mail: schede.sicurezza@pakelo.it Business references

#### 2 - Hazards identification

Main risks to No particular risks in normal working conditions. We recommend, however, to keep

health/environment normal personal hygiene and to avoid frequent and prolonged contact. Use

according to good working practice avoiding to disperse the product in the

environment.

Hazards The substance is not regarded as hazardous according to the Directive

1999/45/EEC.

# 3 - Composition / Information on ingredients

Ingredients composition

#### 67/548/CEE o 1999/45/CE

bricant oils (petroleum), C20-50, neutral oil based, hydrotreated No. EU: 276-738-4 No. CAS: 72623-87-1	<65.38	%		
oly alpha olefin No. EU: 500-183-1 No. CAS: 68037-01-4	<19	%		
eaction between Benzeneamine, N-phenyl with nonene (branched) No. EU: 253-249-4	<0.35	%	R53	01-2119488911-28
-(tert-decylthio)-2-propanol No. EU: 266-582-5	<0.11	%	N, Xi R43, R50/53	
o. 1272/2008/CE				
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eaction between Benzeneamine, N-phenyl with nonene (branched) No. EU: 253-249-4	<0.35	%	Aquatic Chronic 4H413	01-2119488911-28
-(tert-decylthio)-2-propanol No. EU: 266-582-5	<0.11	%	Aquatic Acute 1 Aquatic Chronic 1 Skin Sens. 1H400 H410 H317	
Please refer to section 16 for r	more information	abou	t R pl	H317

Components information The content of DMSO extract, determined with the IP 346/92 method is lower than

3% in weight.

Chemical composition Synthetic and paraffinic solvent highly refined base stocks blended with additive

packages.





#### 4 - First aid measures

First aid measures required to treat the symptoms.

Inhalation In case of exposure to high concentration of vapours or fogs move the person from

contaminated area to well ventilated place. Seek medical assistance if necessary. If

you suspect inhalation, urgently go to hospital.

Contact with the skin Remove contaminated clothes and wash with soap and plenty of water. If irritation

persist, get medical attention.

Contact with the eyes Immediately flush eyes with plenty of water for a few minutes while keeping eyelids

open. Get medical attention.

Ingestion Do not induce vomit to avoid aspiration through the respiratory tract. Get medical

attention.

## 5 - Fire-fighting measures

Fire-fighting equipment Extinguish flames with foam, dry chemicals, CO2.

Inappropriate extinguishers Do not use direct water jets. Use water jets just to cool down surfaces exposed to

fire.

Specific dangers in case of exposition to the chemicals, its combustion products or

gases

Avoid breathing combustion fumes because can form dangerous gases as carbon monoxide and unburnt hydrocarbon fumes. When exposed to heat the product can emit fumes.

Specific protective equipment Wear protective overalls with self-breathing equipment. for fire-fighting personnel

#### 6 - Accidental release measures

Person - related safety

precautions

Wear gloves, protecting clothes and glasses. In case of indoors significant spill avoid

to breathe vapours by ventilating the area or by wearing breath protecting

equipment. Remove possible ignition sources.

Avoid to disperse the product in ground, into sewers and into surface waters. If Environmental precautions

necessary inform local authorities.

Decontamination procedures In case of significant spillage, stem and transfer product to suitable containers.

Spillage on ground: stem spilled product with soil or sand, clean up spilled product and dispose according to local regulations. Spillage in water: stem immediately the

spillage. Mechanically remove spilled product from the surface.

## 7 - Handling and storage

Handling Avoid direct contacts with the product. Avoid breathing 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 used.

Keep the product in original containers. Storage in a fresh place, away from heating Storage

sources and direct sun exposition. Avoid to accumulate electrostatic charge. Keep closed and covered the containers to avoid infiltrations of rain. Maintain suitable

ventilation of the work place.

The containers contain product residues. Dispose the containers in safe ecological **Empty containers** 

way according to the local regulations.





# 8 - Exposure controls / personal protection

#### Exposure borderline values

	TLV - TWA (1)		TLV - STEL (2)	
	ppm	mg/m <sup>3</sup>	ppm	``mg/m ³
ubricant oils (petroleum), C20-50, neutral oil based, nydrotreated		5		10
Poly alpha olefin		5		10

(1) Long exposure limits(2) Short exposure limits

Exposure control Avoid the formation of hazes or aerosol and use engineering controls, ventilation or

localized aspiration if necessary.

Breathing equipment Not necessary under normal working conditions. Keep oil hazes within the TLV-TWA

limit of 5 mg/m3. (A.C.G.I.H. 2000). Use masks with filters for organic vapours in

case of exposure superior to the fixed limits.

Hands and skin protection Wear gloves and protective overalls; change immediately contaminated clothes and

wash them thoroughly before use. We recommend to keep normal personal hygiene and of working clothes. Wear gloves only after having thoroughly washed your

Avoid contacts with strong acid, strong bases and oxidation agents. Avoid extreme

hands

Eyes protection Wear safety protective glasses where it is possible to be in contact with the product.

#### 9 - Physical and chemical properties

Physical status-: Liquid Colour-: Amber Odour-: Typical pH: Not applicable Water Solubility-: Insoluble Density at 15°Ckg/l: 0.859 Kinematic Viscosity at 40°CcSt: 44,5 Flash Point (C.O.C.)°C: >220

#### 10 - Stability and reactivity

Reactivity and materials to

avoid

heat and high energy sources of ignition.

Stability

Stable product in normal applications.

## 11 - Toxicological information

Chronic toxicity Exposure to oil vapour that exceeds Professional Inhalation Limits can cause

respiratory system irritations.

Skin contact LD50 skin (rabbit) > 2000 mg/kg (estimated). Frequent and continuous contacts

could degrease skin and cause dermatitis.

Eyes contact It can cause light irritation.

Oral toxicity LD50 (rats): > 2000 mg/kg (estimated). The product if ingested can irritate the

digestive apparatus and induce vomiting, cause nausea and diarrhea.

Inhalation Long term exposure to the product mist can cause irritation to the respiratory system.





## 12 - Ecological information

Mobility The product keeps afloat.

Degradability Not determined.

Accumulation Not determined.

Ecotoxicity In compliance with EEC Regulations the product is not regarded as hazardous to the

environment.

## 13 - Disposal considerations

General information Do not dispel the environment. Comply with the current laws.

Disposal Avoid to disperse the product on ground, into sewers and surface waters. Discharge

the exhausted products and the containers through the authorized industries in compliance with the state and local regulations for disposal of this type of waste.

# 14 - Transport information

# Not hazardous for the transport.

Transport name PAKELO AVIATION TURBO OIL EVO 2

# 15 - Regulatory information

Reference Laws This Safety Data Sheet complies with the Regulation 453/2010/EEC.

Regulation (CE) 1272/2008 (GHS/CLP), D.E. 1999/45/CE, 2001/60/CE and related regulations on "Classification, labelling and packaging of substances and mixtures".

Refer also to local laws.

#### 16 - Other information

Relevant R and H phrases

R 43 May cause sensitization by skin contact.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the

aquatic environment.

R 53 May cause long-term adverse effects in the aquatic environment.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

Warning The information presented in this Material Safety Sheet is based on data believed to

be accurate as of the date this Material Safety Data Sheet was prepared. The purpose of this data sheet is to inform and assume a correct technological use of the product. PAKELO MOTOR OIL does not take any responsibility resulting from any

damage or injury resulting from abnormal use.

