

SAFETY DATA SHEET



Atlas Copco Optimizer Air Tool Oil

Last changed: 17/07/2009

Internal No:

Replaces date:

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<input checked="" type="checkbox"/> Approved for use	<input checked="" type="checkbox"/> Lub.: M-L Linderoth/M.Kopp (S), J.Pretzmann (DK), S.Casadiago (N)
<input type="checkbox"/> Approved for laboratory use	<input type="checkbox"/> Main:K.Grave (N), Å.Håkansson (S), J.Pretzmann (DK)
<input checked="" type="checkbox"/> Approved by Statoil E & R	<input type="checkbox"/> Chem.: R.R. Carlsen (N), M-L Linderoth/M.Kopp (S)

TRADE NAME Atlas Copco Optimizer Air Tool Oil

TYPE OF USE Air tool oil

NATIONAL MANUFACTURER/IMPORTER

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2. HAZARDS IDENTIFICATION

GENERAL

Not classified.

3. COMPOSITION / INFORMATION ON INGREDIENTS

No	Ingredient name	Reg.No	EC No.	CAS No.	Wt%	Classification
1	White oil, highly refined mineral oil		232-455-8	8042-47-5	> 95 %	No classification required

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

4. FIRST AID MEASURES

INHALATION

Fresh air, rest and keep warm. Rinse nose, mouth and throat with water. Seek medical advice if symptoms persist.

SKIN CONTACT

Wash the skin with soap and water. Remove contaminated clothing as soon as possible. Seek medical advice if symptoms persist. Product in use under high pressure that has been forced under the skin, is a serious situation that requires IMMEDIATE hospital treatment.

EYE CONTACT

Flush with water. Contact physician if discomfort continues.

INGESTION

DO NOT induce vomiting. Get medical advice.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Foam, powder, carbon dioxide.

IMPROPER EXTINGUISHING MEDIA

Water

FIRE AND EXPLOSION HAZARDS

Heated product can form flammable vapours. Combustion can produce irritating fumes. Carbon monoxide (CO) may be formed in the event of incomplete combustion.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Use respiratory protection.

OTHER INFORMATION

Fire in closed areas should only be extinguished by trained personal. Containers near a fire must be moved and/or cooled with water.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Mark the spillage. Use personal protection as stated in section 8.

SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

General:

Contain the spillage using sand, soil or other suitable material. Avoid seepage into the drains. Collect the spillage using cloths or an oil absorbent material. Immediately inform the government agency (fire brigade) if the spillage escapes into the drains or waterways. At large spillage inform the government agency (fire brigade). Collected material to be handled as advised under section 13. Water: Contain the spillage and recover as much as possible. Smaller volumes can be recovered using suitable absorbents.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Store correctly to avoid spillage and oil vapours.

STORAGE

Best under cover. Store container on their side so that the filling bungs are under the fluid level.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL

Ensure a high level of personal hygiene. Ensure good ventilation. Do not wear cloths that are contaminated with product. Do not put oil-wet cloth / twist in your pocket. If there is a risk of direct contact or splashes, wear face visor or goggles, impervious gloves and protective clothing.

EYE PROTECTION

Use suitable face visor or goggles.

HAND PROTECTION

Impervious protective gloves of Viton or nitrile rubber.

PROTECTIVE CLOTHING

Oil impervious protective clothing.

OTHER INFORMATION

For more information contact supplier of protection equipment.

OEL VALUE

Ingredient name	Cas nr.	Interval	ppm	mg/m ³	Year	Notification
White oil, highly refined mineral oil	8042-47-5	8 h		1,0	2000	
White oil, highly refined mineral oil	8042-47-5	15 min.		3,0	2000	

OTHER INFORMATION REGARDING LIMIT VALUES AND MONITORING

Based on the swedish OEL:s for oil mist including oil smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE

Liquid.

COLOUR

Transparent.

ODOUR

Oil. Faint.

SOLUBILITY

Organic solvent (most).

WATER SOLUBILITY

Negligible

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
Flash point	> 170 °C	ASTM D 92	
Density	~ 869 kg/m ³	15 °C, ASTM D 4052	1)
Viscosity	~ 22 mm ² /s	40 °C, ASTM D 445	2)

OBSERVATIONS ON PHYSICAL AND CHEMICAL PARAMETERS

Observation	Comments
1	at 15°C.
2	at 40°C.

10. STABILITY AND REACTIVITY

STABILITY

Chemically stable

MATERIALS TO AVOID

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

When heated or during combustion carbon monoxide (CO) and other health hazardous compounds may be formed.

11. TOXICOLOGICAL INFORMATION

GENERAL

Low order of acute toxicity, but aspiration following ingestion and vomiting may cause severe and potentially fatal chemical pneumonitis. Does not absorb in acute toxic amounts through the skin. Exposure to high concentrations of oil mist may cause irritation to the respiratory organ. Exposure to the eye is slightly irritating, but does not injure eye tissue. Continuous or repeated skin contact combined with poor personal hygiene may cause dermatitis like eczema and oil acne. Used oil may contain harmful contaminants.

SKIN CONTACT

Product that under high pressure has been forced under the skin, may cause serious cell damage/death under the skin.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Not harmful to aquatic organisms. Expected LC/EC 50 value > 100 mg/l.

MOBILITY

Low solubility in water, floats on water.

DEGRADABILITY

Potentially degradable, but will persist in the environment for long periods.

ACCUMULATION

Contain components with the potential to bioaccumulate. (logPow > 3)

OTHER EFFECTS

An oil film may cause physical damage to organisms and disturb the transportation of oxygen in the intermediate zone between air/water or water/air.

OTHER INFORMATION

NB: The information above refer to: The base fluids.

13. DISPOSAL CONSIDERATIONS

GENERAL REGULATIONS

This material, if discarded, should be considered an European hazardous waste in accordance with European Law. Ensure conformity with procedures approved by the Local Authority.

Packing:

Disposal through approved facilities is recommended.

CATEGORY OF WASTE

EWC 13 01 10.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods: No

OTHER INFORMATION

Not covered by the transportation of dangerous substances act.

15. REGULATORY INFORMATION

EC-Label No

COMPOSITION

OTHER LABELLING PHRASES

Safety Data Sheet available for professional user on request.

16. OTHER INFORMATION

INFORMATION SOURCES

CONCAWE-report no. 6/05 Classification and Labelling of Petroleum Substances According to the EU

Dangerous Substances Directive. Applicable legislation. Information from the raw material supplier(s).

VENDOR NOTES

For in depth technical information, see our Technical Data Sheet for this product, and other technical papers.

REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.0	17/07/2009	Milan Kopp	-

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