

MATERIAL SAFETY DATA SHEET

I - Identification of substance / preparation and company

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| Name of the substance or preparation : | Mach One Compressor Oil |
| Grade : | ISO VG 68 |
| Product use : | Lubricating Oil – Compressor Oil |
| Revision date | 09 Apr 2017 |

II - Composition / Component Data

| Components | CAS number | Approx. %wt |
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| Heavy paraffinic distillate: | | >90 |
| Additives which may include viscosity modifier, antiwear agent, foam suppressant, pour point depressant, rust and oxidation inhibitors, etc. | Not available | <1 |

III - Identification of hazards

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| Main hazards : | No significant hazard. |
| Eyes: | Expected to cause no more than minor irritation. |
| Oral: | If more than several mouthfuls are swallowed, abdominal discomfort, nausea and diarrhea may occur. |
| Inhalation: | Breathing the vapour or mist may cause respiratory irritation, discomfort or other pulmonary effects. |
| Skin: | Expected to cause no more than minor skin irritation. Prolonged or frequent repeated contact may cause the skin to become cracked or dry from the defatting action of this material. |
| Long term toxic effect: | The base oil component (s) are not expected to be carcinogenic based on IARC criteria. |

IV - First Aid

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| In the event of serious problems : | Call a doctor or summon medical assistance urgently. |
| Information in the event of : | |
| - inhalation : | Take the person into the fresh air. |
| - contact with the skin | Rinse off with water and remove contaminated clothing. |
| - contact with the eyes: | Bathe the eyes with sterile water |
| - ingestion : | Do not induce vomiting. If person is conscious, give water or milk. Never give anything by mouth to an unconscious person. Take the victim to hospital as soon as possible. |

V - Fire-fighting procedures

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| Methods of extinguishing : | |
| Appropriate measures | Foam, CO2, dry chemical |

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| Not recommended : | Water jets. |
| Special methods of action: | Take precautionary measures against static discharges which could be produced during mixing and transfer operations. |
| Protection for fire-fighters: | Explosive limit in air at ambient temperature, in volume of vapour or mist : 1 to 6%. Ammonia fume may be released. |

VI - Measures to be taken in the event of accidental dispersion

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| Individual precautions : | Depending on the risk of exposure, wear gloves, goggles, and protective clothing. |
| Environmental protection precautions: | Design the installations and take all the measures necessary to avoid water and soil pollution : Containment, absorbent materials, etc. |
| Methods of cleaning : | Remove all sources of fire |
| Recovery : | Dam and then recover with the aid of physical resources. |
| Disposal : | Send contaminated materials to an approved collection facility. |

VII - Handling and storage

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| Handling | |
| - Technical measures | |
| . prevention of worker exposure | Ensure adequate ventilation is provided if there is any risk of vapours, mists, or aerosols forming |
| . prevention of fires and explosions | Make provision for water network to avoid any spread of fire. |
| Precautions : | Prolonged and repeated contact with the skin disorders. |
| | Do not inhale vapours, fumes, or mists |
| Storage | Keep well away from sources of heat. Avoid the accumulation of static electricity. Provide earthing. Use only receptacles, joints, pipes etc. which are resistant to hydrocarbons. |
| -storage conditions : | |
| Recommended | Keep containers closed when not in use |

VIII - Exposure controls / personal protection

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| Technical measures : | Use the product in a well-ventilated atmosphere with anti-deflagrating materials |
| Monitoring parameters : | |
| Occupational Exposure limit : | The ACGIH TLV for mineral oil mist is 5 mg/m ³ for a daily 8-hour exposure. A short term exposure limit (STEL) of 10 mg/m ³ is recommended. |
| Respiratory protection : | Wear appropriate breathing equipment if exposure levels exceed the limit values. |
| Protection for the hands : | Use impermeable hydrocarbon-resistant gloves |

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| Protection for the eyes : | Wear goggles in the event of the risk of emissions. |
| Hygiene measures | Avoid prolonged and repeated contact with skin. |

IX - Physical and chemical properties

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| Appearance : | |
| Physical state at 15°C : | Liquid |
| Colour : | |
| pH : | Not applicable |
| Flash point : | > 216° C |
| Auto ignition temperature : | Not Available |
| Vapour pressure : | Not determined |
| Density at 15 °C | 870 - 880 kg/m3 |
| Solubility : | |
| In water : | Immiscible |
| Viscosity at 40°C (for all product grades) | 67.7 |

X - Stability and reactivity

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| Stability : | Stable product at conventional temperatures for storage, handling, and use. |
| Dangerous reactions : | - |
| Substances to be avoided : | Avoid powerful acids and oxidising agents |

XI - Toxicological data

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| Acute toxicity : | |
| - contact with the skin : | DL 50 > 5.0 g/kg (rabbit) OSHA: Non toxic. Based on component(s) |
| - Ingestion: | DL 50 > 5.0 g/kg (rabbit) OSHA: Non toxic. Based on component(s) |
| Local effects : | |
| - contact with the skin : | OECD GL404: not irritating. No classification |
| - contact with the eyes: | OECD GL405: not irritating. No classification |
| Carcinogenicity Classification : | OSHA: No |

XII - Ecological data

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| Mobility : | Soil : In consideration of its physical and chemical characteristics , the product has only slight mobility in the soil. |
| | Water : Insoluble; the product spreads over the surface of the water. Water : solubility < 1 mg/l |
| Persistence : | Not readily removed from the aquatic environment. Upper boiling limit > 250°C |
| Bioaccumulation: | Does not bioaccumulate |
| Biodegradability | Not readily biodegradable |

XIII - Considerations relating to elimination

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| Surplus or wastes: | Do not discharge into the sewerage system or natural environment. |
| Methods relating to elimination: | Recovery by a Specialist Waste Contractor, with recycling or incineration in an approved facility. |

XIV - Data relating to transport

Not classified as hazardous for transport.

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| International regulations: | |
| Transport by land | Not applicable |
| RID / ADR | Not applicable |
| By Sea : | Not applicable |
| IMDG : | Not applicable |
| ICAO/IATA: | Not applicable |
| UN No. : | Not applicable |

XV - Regulatory data

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| OSHA Classification : | Product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200, because it carries the occupational exposure limit for mineral oil mist |
| Ozone Depleting Substances (40 CFR 82 Clean Air Act) : | This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances |

XVI - Other information

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| Recommended uses and restriction on use : | Use of the product : see section I |
| Others | No further information |

This dossier supplements the technical notifications for use, but does not replace them. The information which it contains is based on our knowledge relating to the product in question on the date indicated.

The information is given in good faith. The user's attention is also drawn to possible risks incurred if a product is employed for uses other than those for which it was designed.

The information dossier does not, under any circumstances, discharge the user from the obligation of being aware of, and of applying, all the texts which govern his sphere of activity. He shall be solely responsible for taking the precautions associated with the use which he makes of the product.

All the statutory provisions referred to are intended simply to assist the recipient in fulfilling the obligations incumbent upon him. This enumeration must not be considered to be exhaustive.

The recipient must ensure that no obligations are encumbent upon him, as a result of texts other than those cited, relating to the holding and handling of the product, for which he alone is responsible.

End of document

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