

PRODUCT SPECIFICATION

Product Name
Alternative Name Mineral Oil for use in Cirro Hazer Machines
Product Grade

SALES SPECIFICATION

Product Description

Mineral Oils are highly refined, odourless, tasteless and have excellent colour stability. They are chemically and biologically stable and do not support bacterial growth. Their inert nature makes them easy to work with as they lubricate, soothe, soften and hold in moisture in formulations. These oils can be found in a variety of product lines such as antibiotics, baby oils, lotions, creams, shampoos, sunscreens and tissues

Properties	Unit	Method	Specification	Typical
Density at 20°C	Kg/m ³	ASTM D 1298	860 - 880	863
Kin. Viscosity at 40°C	Mm ² /s	ASTM D 445	34 - 39	36
Kin. Viscosity at 100°C	Mm ² /s	ASTM D 445	4 - 6	5.3
Dyn. Viscosity at 20°C	mPa.s	ASTM D 97		91
Pour Point COC	°C	ASTM D 92	Max -9	-12
Flash Point	°C		Min 180	212
Saybolt Colour			+30	+30
Odour & Taste			None	None
Carbonisable Substances		All Pharm	Pass	Pass
U V Absorbance		All Pharm	Pass	Pass
Polycyclic Aromatic Hydrocarbons (Polynuclear Compounds)		USP/NF/EUP	Pass	Pass
Neutrality		USP/NF/EUP	Pass	Pass
Solid Paraffins		USP/NF/EUP	Pass	Pass

PRODUCT DATA SHEET

(This booklet incorporates the Specification and M.S.D.S.)

PRODUCT

Mineral Oil for use in Cirro Hazer Machines

CAS NO.

TARIFF NO.

U.N NO.

EINECS NO.

IMCO CLASS

HAZARDS

SPECIFICATION REFERENCE

PR/1

DATE DEC 03

REFERENCE NO.

PR/1

DATE DEC 03

PREVIOUS EDITION.

DATE

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product:
COMPANY:

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Mineral Oil
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3. HAZARDS IDENTIFICATION

Main Hazards	None
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4. FIRST AID MEASURES

First Aid – Eyes	Flush eyes thoroughly with water for several minutes. Obtain medical attention if discomfort persists
First Aid – Skin	No emergency care anticipated
First Aid – Ingestion	Do not induce vomiting. Obtain medical attention immediately
First Aid – Inhalation	No emergency care anticipated
Notes To Physicians	None

5. FIRE FIGHTING MEASURES

Extinguishing Media	Dry chemical, carbon dioxide (in case of small fires), water fog, foam, sand or earth
Unsuitable Extinguishing Media	Do not use water jet
Special Fire Fighting Procedures	Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire
Special Protective Equipment For Fire Fighters	Self contained breathing apparatus
Unusual Fire & Explosion Hazards	Following products may be produced during a fire: Oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear suitable personal protection
Environmental Precautions	Avoid runoff to sewers or waterways. Dike area of spill to prevent spreading and pump liquid to salvage tank. Waste: Avoid washing into watercourses. Use method consistent with local regulations or incinerate
Measures For Clean Up	Dike to contain spill. Absorb on inert material such as sand, earth or vermiculite. Stop the leak if it can be done without risk

7. HANDLING AND STORAGE

Handling – Ventilation	General (mechanical) room ventilation is expected to be satisfactory for use at room temperature
Storage Requirements	Keep away from heat, sparks and flame. Do not store at temperatures > +60°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits	No exposure limits have been established
Personal Protective Equipment	
Respiratory Protection	None expected to be needed
Hand Protection	Wear gloves impervious to this material
Eye Protection	Safety glasses, face shield
Skin Protection	If any other protective measures for skin protection are recommended for this product, they will be mentioned under this topic

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Colourless liquid
Odour	None
Melting Point	Not applicable
Flash Point	>170°C ASTM D93
Auto Ignition Temperature	Not determined
Upper Explosion Limit	Not determined
Lower Explosion Limit	Not determined

Density	0.81 - 0.89 g/cm ³ at 20°C
Bulk Density	Not available
Vapour Pressure	<0.1 hPa at 20°C
Solubility In Water	Negligible
Kinematic Viscosity	34 - 39 mm ² /s at 40°C

10. STABILITY AND REACTIVITY

Stability	Stable
Conditions To Avoid	Avoid contact with: Strong oxidising agents
Incompatible Materials	Strong oxidising agents
Hazardous Combustion Products	Combustion may produce the following products: Carbon monoxide, carbon dioxide

11. TOXICOLOGICAL INFORMATION

No evidence of harmful effects from available information

12. ECOLOGICAL INFORMATION

mineral oil will be inherently biodegradable in water under aerobic conditions, and will be ultimately biodegraded by micro-organisms (although the biodegradability of White Mineral Oil will necessarily be limited by its low solubility in water)

13. DISPOSAL CONSIDERATIONS

Product Disposal	Dispose of in accordance with local regulations or incinerate
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14. TRANSPORT INFORMATION

Not regulated

15. REGULATORY INFORMATION

Not classified

16. OTHER INFORMATION

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