Charkit
The Specialty Chemical Specialists

Material Safety Data Sheet

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Section 1 : Product Identification

Trade Name :	Fiflow® 140
Composition :	Predominantly Perfluorodecalin (mixture of cis and trans isomers)
Description :	Perfluorocarbon
Use :	Cosmetic Industry
Distributor:	Charkit Chemical Company LLC. 32 Haviland Street, Unit 1 Norwalk, CT 06854
Emergency Telephone :	For chemical emergencies call CHEMTREC 1-800-424-9300.

Section 2 : Hazard Identification

Hazard Symbols	N / A
Risk and Safety	Keep container tightly closed. Caution, avoid prolonged and repeated breathing of concentrated vapour. Thermal decomposition may produce toxic products. Small amounts of decomposition may occur above 400°C. When using do not smoke. Do not empty into drains.

Section 3 : Composition

Substances :	Perfluorocarbon
CAS number :	306-94-5

Section 4 : Emergency and First Aid Measures

Eye Contact :	Irrigate thoroughly with water. Obtain medical attention if adverse symptoms arise.
Skin Contact :	Remove contaminated clothing and wash off with soap and water. Obtain medical attention if adverse symptoms arise.
Inhalation :	In case of severe exposure, remove from exposure, rest and keep warm. Apply artificial respiration if breathing has ceased. Obtain medical attention if the symptoms are other than slight.
Ingestion :	Wash out mouth with water. Obtain medical attention if adverse persist.

Section 5 : Fire Fighting Measures

Suitable Extinguishers :	Carbon Dioxide, Alcohol resistant Foam, Powder, Halons, Water Jets, Water Fog, Inert Material (sand, earth etc.), Non-combustible material.
Unsuitable Extinguishers :	Not applicable
Hazardous Decomposition :	Toxic fumes may be produced on thermal decomposition. In the presence of other reactive substances and in a fire situation where hydrogen containing compounds are present, Hydrogen Fluoride and other toxic products may be formed.
Special Procedures :	Use water spray to cool containers. Contact with flames gives rise of toxic vapours, avoid inhalation of these vapours. Use approved self contained breathing apparatus. Non-essential personnel should be evacuated from the area until any fumes have dispersed. Handle contamined fluid in a ventilated area, avoiding inhalation of vapour.

Section 6 : Accidental Release Measures

Exposure Controls :	FIFLOW spillages produce very slippery surfaces which may be hazardous to personnel. Evacuate area. Do not allow spillage to enter drains and watercourse. If water is contaminated inform relevant authority immediately.
Personnel Protection :	Wear laboratory coat. Respiratory protection not normally required. Wear impermeable gloves. Wear chemical safety spectacles or goggles.
Disposal Considerations	Absorb in inert material eg. sand, vermiculite absorbent granules, place in plastic container for transfer. Do not allow spillage to enter drains/sewers/water courses. Dispose of in accordance with local authority regulations.

Section 7 : Handling Storage

Handling :	Do not smoke when handling. Avoid contact of vapour or liquid with red hot surfaces, flames or electrical arcs as this may give rise to toxic gases such as Hydrogen Fluoride. Do not use sodium or similar metals or their hydrides for removing water from the liquid; other desiccants are acceptable.
Storage :	Store in original, tighly closed, labelled container. Incompatible with Lithium, Sodium, Potassium, Calcium and Barium.

Fiflow® 140

Section 8 : Exposure Controls
None

Section 9 : Physical and Chemical Properties	
Appearance :	Clear colourless liquid
Odour :	Odourless
Boiling Point :	142°C
Pour Point :	-8°C
Vapour Pressure :	8,8 mbar
Density :	1,917 kg/l @25°C
Solubility in Water :	Insoluble
Solubility in Organic Solvents :	Sparingly soluble in most common solvents. Miscible with CFCs

Section 10 : Stability and Reactivity	
Stability :	Extremely stable.
Conditions to avoid :	Naked flames, hot surfaces.
Materials to avoid :	Lithium, Barium, Sodium, Potassium and Calcium.

Section 11 : Toxicological Information	
Chronic Effects :	None known.
Inhalation :	No irritation or anaesthic effects.
Skin contact :	Non-irritating but hot liquid or vapour may cause thermal burns.
Eye contact :	Non-irritating but hot liquid or vapour may cause thermal burns.
Route of Exposure	Inhalation, skin and eye absorption, ingestion.

Section 12 : Ecological Information
No specific data available.

Section 13 : Disposal Considerations
Dispose of through an authorized contractor to a licensed landfill site. Do not discharge into drains or watercourses. Large quantities should be incinerated by a waste disposal organization.

Section 14 : Transport Information
Non-hazardous liquid not regulated for transport services. UN Number - N/A IATA/ICAO - not regulated. ADR - not regulated IMDG - not regulated Transport name - N/A Hazchem code - N/A

Section 15 : Regulatory Information	
Hazard Symbols :	None.
Risk and Safety phrases :	S41 : In case of fire and/or explosion do not breathe fumes.
Other regulations :	Health and Safety at Work Act 1974.
Transport information :	See 14. Transport Information

Section 16 : Other Regulation

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