

Material Safety Data Sheet

Revision date 03-Mar-2015

Supersedes date: 05-Jan-2014

Version 2

1. Product and Company Identification

Product name	SCHULTZ® S720
Recommended Use	Heat transfer fluids
Company	Schultz Canada Chemicals Ltd
address:	1699 Matthews Ave Vancouver BC, V6J 2T3
Telephone	778-383-2793
E-mail address	Jillian.Jiang@schultzchem.com
Emergency Telephone	778-938-5977

2. Hazards Identification

Appearance	Clear
Color	Light yellow
Physical State	Liquid
Odor	Slight
Potential health effects	
Eye Contact	May cause eye irritation.
Skin Contact	Brief contact is essentially nonirritating to skin. Repeated exposure may cause irritation.
Inhalation	May cause respiratory irritation.
Ingestion	May cause nausea and even vomiting and diarrhea.

3. Composition/Information on Ingredients

Component	CAS No	Weight %
Modified mixed aromatics		100

4. First-Aid Measures

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately if symptoms occur.
Skin contact	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. If exposed or concerned get medical advice/attention. Wash contaminated clothing before reuse.
Inhalation	Remove to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Ingestion	If swallowed: rinse mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do NOT induce vomiting unless directed to do so by a physician. Call a physician immediately. If breathing is difficult, give oxygen.
Notes to physician	Persons who have inhaled vapors or smoke fumes have to be put under medical observation for at least 48 hours, due to the delayed appearance of poisoning.

5. Fire-Fighting Measures

Suitable extinguishing media	Water spray, Foam, Dry powder, Carbon dioxide (CO ₂). Do not use direct water stream. May spread fire.
Special Protective Equipment for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, and full protective gear.
Hazardous Combustion Products	During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Hydrocarbons. Carbon monoxide. Carbon dioxide.

6. Accidental Release Measures

Personal precautions	No action shall be taken involving any personal risk or without suitable training. Do not touch or walk through spilled material. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
Environmental precautions	Stop leak if safe to do so. Clean up spill immediately. Prevent from entering into soil, drains or water courses.
Methods for cleaning up	Small spills: as far as possible the leaking fluid collection in airtight containers. Absorb with sand, diatomaceous earth or other inert materials, Large spills: constructing dike or have dug a pit for a large number of the leakage, and transferred to the properly labeled containers, recycling or shipped to the disposal of waste places. Do not put it into the surrounding environment. Ban into the sewer.

7. Handling and Storage

Handling	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Wash thoroughly after handling. Use in well ventilated areas. Keep container closed.
Storage	Store in tightly closed container. Keep containers stored in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep away from contact with oxidizing materials. Away from fire and heat source. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure Controls/Personal Protection

Exposure Limits	None established.
Engineering Controls	Maintain air concentrations below occupational exposure standards. Apply technical measures to comply with the occupational exposure limits. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.
Personal protective equipment	
Eye/face protection	Use chemical goggles.
Skin and body protection	Wear protective gloves and protective clothing as necessary to prevent exposures.
Respiratory protection	Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Clear Liquid
Color	Light Yellow
Odor	Slight
Odor threshold	No information available
pH	No information available
Melting point/freezing point	-24°C
Boiling point/boiling range	351 °C (1013 hPa)
Flash point	179 °C (Closed Cup)
Evaporation Rate	No information available
Flammability (solid, gas)	Not flammable
Flammability Limits in Air	
Upper flammability limit	No information available
Lower flammability limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Water solubility	1 mg/L (25 °C)
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	333 °C
Decomposition temperature	No information available
Viscosity, kinematic	32.68 mm ² /s (40 °C)
Other information	
Density	900 kg/m ³ (20 °C)

10. Stability and Re-activity

Stability	Stable under recommended storage and handling conditions.
Conditions to avoid	Heating in air.
Incompatible materials	Strong oxidizing agents. Inorganic acid.
Hazardous polymerization	Will not occur.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute toxicity	
LD50 Oral (Rat)	> 15000 mg/kg.
LD50 Dermal (Rabbit)	No data available
LC50 Inhalation	No data available
Inhalation	May cause respiratory irritation.
Eyes irritation	May cause eye irritation.
Skin corrosion / irritation	Repeated and long exposure may cause irritation.
Ingestion	May cause nausea and even vomiting and diarrhea.
Sensitization	No information available.
Repeated Dose Toxicity	No information available.
Chronic toxicity/ carcinogenicity	No information available.
Developmental Toxicity	No information available.
Reproductive toxicity	No information available.
Genetic Toxicology	No information available.

12. Ecological Information

Acute aquatic toxicity	Substances for acute toxic to aquatic organisms.(For most sensitive species LC50 / EC50 <0.1 mg / L)
96 hr LC50 (Fish)	> 1 00mg/l
48 hr LC50 (Aquatic invertebrates)	No data available
72 hr EC50 (Algae/aquatic plants)	No data available
Persistence and degradation	The method according to OECD-301D detection, each product 28 days bio-degradation rate ranged between 10.1% -27.1%, the material does not meet the standard can be readily biodegradable.
Bio-accumulation	No information available.
Mobility in soil	No information available.

13. Disposal Considerations

Waste disposal methods	Do not pour any sewers, ground, or pour any water. All disposal practices must be in compliance with state and local laws and regulations.
Contaminated packaging	Empty packaging should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

IMDG	
UN/ID no	UN3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,2,3,4-TETRAHYDRO-(1-PHENYLETHYL)-NAPHTHALENE)
Hazard Class	9
Packing Group	III
Marine pollutant	Yes
EmS	F-A,S-F
ICAO/IATA	
UN/ID no	UN3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,2,3,4-TETRAHYDRO-(1-PHENYLETHYL)-NAPHTHALENE)
Hazard Class	9
Packing Group	III
Marine pollutant	Yes

15. Regulatory Information

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Re-authorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Re-authorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

International Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

D2B Toxic materials - Materials causing other toxic effects

16. Other Information

NFPA	Health hazard 1 Flammability 1 Stability 0
HMIS	Health hazard 1 Flammability 1 Physical hazard 0
Supersedes date	05-Jan-2014
Revision date	03-Mar-2015
Revision Note	New SDS format. SDS sections updated: All.

Disclaimer

The SDS information applies only to the specified product, unless otherwise specified, in the case of a mixture of this product with other substances, which do not apply. The information provided is a guide for the safe operation and not as a guarantee of the quality manual. The SDS only those received professional training in the proper use of the product provides product safety information for. Users of this SDS, under special conditions of use must be made of the suitability of the SDS independent judgment. In special occasions, due to the use of this SDS caused injury, this SDS writers will not be held responsible.