

SAFETY DATA SHEET

Date Issued : 8/11/2005
 SDS No : 20C45 Pol
 Date Revised : 4/14/2015
 Revision No : 6

IsoPour 20C45 Pol

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: IsoPour 20C45 Pol

MANUFACTURER

Isotec® International, Inc.
 201 Longview Street
 Canton, GA 30114
Customer Service: 800-234-6300

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553
CHEMTREC (US Transportation) : (800) 424-9300

2. HAZARDS IDENTIFICATION

COMMENTS: Not hazardous according to GHS criteria as defined in 29 CFR 1910.1200.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sucrose, propylene oxide	70 - 80	Non-hazardous
1,1,1,3,3-Pentafluoropropane	<= 10	460-73-1

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water.

SKIN: Wash with soap and water.

INGESTION: Give one or two glasses of water to drink. Never give anything by mouth to an unconscious person. If large amounts are swallowed, consult a physician. Do not induce vomiting unless directed to do so by a physician or poison control.

INHALATION: Move person to fresh air.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, foam, dry chemical or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides, carbonyl halides and hydrogen fluoride.

FIRE FIGHTING PROCEDURES: Do not use direct water stream as this may spread the fire. Use water spray to cool fire-exposed containers.

FIRE FIGHTING EQUIPMENT: Exposed firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Isolate the area and prevent entry of unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled product. Absorb with dry chemical absorbent, earth, sand or any other inert material. Place in a chemical waste container.

LARGE SPILL: Isolate the area and prevent entry of unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled product. May be a slipping hazard. Create a dike or trench to contain product. Prevent entry into waterways, sewers, basements or confined areas. Absorb with dry chemical absorbent, earth, sand or any other inert material. Place in a chemical waste container.

SPECIAL PROTECTIVE EQUIPMENT: Wear protective equipment listed in Section 8.

7. HANDLING AND STORAGE

HANDLING: Do not get in eyes, on skin or on clothing. Wash hands before eating, drinking or smoking. Keep container closed when not in use. Do not reseal if contaminated. Keep away from heat and flame.

STORAGE: Store in tightly closed containers in a cool, dry and well-ventilated area away from heat or sources of ignition. Keep out of direct sunlight.

STORAGE TEMPERATURE: 4.4°C (40 °F) Minimum to 37.8°C (100°F) Maximum

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: If used at elevated temperatures or in confined space, ventilation may be required to control vapours.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear a face shield and chemical safety glasses or goggles.

SKIN: Wear impervious gloves. Cover exposed skin.

RESPIRATORY: None required in normal use.

WORK HYGIENIC PRACTICES: Avoid eating, drinking or smoking while using this material. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Slightly musty.

APPEARANCE: Light brown to yellow liquid.

FLASH POINT AND METHOD: > 93.3°C (200°F) Closed cup.

AUTOIGNITION TEMPERATURE: Not established.

BOILING POINT: Not established.

FREEZING POINT: Not established.

SOLUBILITY IN WATER: Slight.

SPECIFIC GRAVITY: 1.09 to 1.11 (water = 1) at 23.3°C (74°F)

VISCOSITY #1: 800 to 1000 Centipoise at 23.3°C (74°F)

10. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides, carbonyl halides and hydrogen fluoride.

INCOMPATIBLE MATERIALS: Strong acids, strong alkali, alkaline earth metals and oxidizers.

11. TOXICOLOGICAL INFORMATION**ACUTE**

Chemical Name	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
1,1,1,3,3-Pentafluoropropane	> 2000 mg/kg	> 200000 ppm/4h

CARCINOGENICITY

IARC: Not regulated as a carcinogen.

NTP: Not regulated as a carcinogen.

OSHA: Not regulated as a carcinogen.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: 1,1,1,3,3-Pentafluoropropane: LC₅₀ (Rainbow trout) >81.8 mg/L/96h; EC₅₀ (Daphnia) >97.9 mg/L/48h

COMMENTS: No data.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with local, state, provincial or national regulations.

EMPTY CONTAINER: Decontaminate and pass to an approved drum recycler or destroy.

RCRA/EPA WASTE INFORMATION: If discarded in its purchased form, this material is not a RCRA hazardous waste.

GENERAL COMMENTS: The generation of waste should be avoided or minimized whenever possible. Chemical waste, even small quantities, should never be poured into drains, sewers or waterways.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Not regulated.

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not regulated.

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

311/312 HAZARD CATEGORIES: None.

313 REPORTABLE INGREDIENTS: None.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components are in TSCA inventory.

RCRA STATUS: If discarded in its purchased form, this material is not a RCRA hazardous waste.

16. OTHER INFORMATION

PREPARED BY: L. Priest

REVISION SUMMARY: This SDS replaces the 12/10/2014 SDS. Revised: **Section 3:** .

COMMENTS:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
EC ₅₀	Median effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC ₅₀	Lethal concentration to 50% of exposed laboratory animals
LD ₅₀	Lethal dose to 50% of exposed laboratory animals
TWA	Time-weighted average
TLV	Threshold limit value
NIOSH	US National Institute of Occupational Safety and Health
NE	Not established
NTP	US National Toxicology Program
OEL	Occupational exposure limit
OSHA	US Occupational Safety Health Administration
PEL	Permissible exposure limit
RQ	Reportable quantity
STEL	Short term exposure limit

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