Date: April 21, 2025 Rev. 5

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Unisolv-7300
Chemical Name:	1,1,1,2,2,3,4,5,5,5-Decafluoro-3-Methoxy-4-)trifluoromethyl)-Pentane
CAS No:	132182-92-4
Uses:	Cooling agent, solvent, cleaning agents, solvents, hear transfer liquid
Supplier:	Unistar Chemical Inc. 425 Huehl Road, Bldg 1, Northbrook. IL, 60062 1-847-724-8869 E-mail: info@unistarchemcal.com
Emergency Contact:	(800) 424-9300 CHEMTREC

2. HAZARD IDENTIFICATION

Signal word: NOT APPLICABLE

HAZARDS

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	Concentration (%)
1,1,1,2,2,3,4,5,5,5-Decafluoro-3-Methoxy-4-)trifluoromethyl)-Pentane	132182-92-4	>= 99.0

4. FIRST AID MEASURES

Inhalation:	No need for first aid is anticipated. If symptoms develop, remove the affected person to fresh air. Get medical attention
Skin contact:	If exposed, wash with soap and water. If signs/symptoms develop, get medical attention.
Eye Contact:	If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/ symptoms develop, get medical attention.
If Swallowed:	Rinse mouth. If you feel unwell, get medical attention.
Most important symptoms and effects, both acute and delayed:	No critical symptoms or effects. See Section 11.1, information on toxicological effects.

5. FIRE EXTINGUISH MEASURES

Suitable extinguishing media:	on-flammale; use a suitale etinguishing agent that extinguishes the surrounding fire.
Special hazards arising from the substance or mixture:	Exposure to extreme heat can give rise to thermal decomposition.

Hazardous combustion products:

Substance	Conditions
CO	during combustion
CO2	during combustion
HF	during combustion

Special Protective Equipment for Firefighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions and Emergency Procedures:	Evacuate personnel to safe areas. Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Do not breathe dust/ fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
Environmental precautions:	Avoid release into the environment.
Methods/materials for containment:	Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/ national/international regulations.

7. HANDLING AND STORAGE

Precautions for safe handling:	Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/ national/international regulations.
Conditions for safe storage:	Store in a well-ventilated place. Keep container tightly closed. Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:	For those situations where the material might be exposed to extreme overheating due to misuse or equipment failure, use with appropriate local exhaust ventilation sufficient to maintain levels of thermal decomposition products below their exposure guidelines. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.
Eye/face protection:	None required.
Respiratory protection:	For those situations where the material might be exposed to extreme overheating due to misuse or equipment failure, use a positive pressure supplied-air respirator.
Skin/hand protection:	Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions.

Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.
Gloves made from the following material(s) are recommended: Neoprene
If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - Neoprene

9. PHYSICAL AND CHEMICAL PROPERTIES (NOT A SPECIFICATION)

Oxidizing properties	Not Determined

No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available
Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Hazardous polymerization does not occur
Conditions to avoid	No information available
Incompatible materials	None known based on information supplied
Hazardous decomposition products	Carbon monoxide, carbon dioxide, hydrogen fluoride

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
3-Pentanone, 1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)- (CAS #: 756-13-8)	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 98 658 ppm (Rat) 4 h

Skin corrosion/irritation	Non-irritating to the skin.
Serious eye damage/eye irritation	No eye irritation.
Sensitization	No sensitization responses were observed.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single and repeated exposure	No information available.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
3-Pentanone, 1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)- (CAS #: 756-13-8)	10.6 mg/L 96h Pseudokirchneriella subcapitata	> 1 070 mg/L 96h Pimephales promelas	> 1 080 mg/L 48h Daphnia magna

Persistence and biodegradability	Not readily biodegradable.
Bio accumulation	BCF = 1.2 - 4.8
Mobility	No information available.
Other adverse effects	No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.
EU waste code (product as sold)	07 01 03* Organic halogenated solvents, washing liquids and other mother liquors 14 06 02* Other halogenated solvents and solvent mixtures

14. TRANSPORT INFORMATION

UN number	Not regulated
UN proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	Non-marine pollutant
Special precautions	No information available
Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

15. REGULATORY INFORMATION

International inventories

"-" Not Listed *"X" Listed*

Component	AICS	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	TSCA
3-Pentanone, 1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)- 756-13-8 (>= 99)	X	X	X	X	X	X	-	X

16. OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet
TWA - TWA (Time Weighted Average) STEL
- STEL (Short Term Exposure Limit) Ceiling -Maximum limit value
TSCA - Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
IECSC - Chinese Inventory of Existing Chemical Substances
EINECS/ELINCS - European INventory of Existing Commercial chemical Substances/ European LIst of Notified Chemical Substances
ENCS - Japanese Existing and New Chemical Substances
KECL - Korea Existing Chemicals List
NZIoC - New Zealand Inventory of Chemicals
PICCS - The Philippine Inventory of Chemicals and Chemical Substances
AICS - The Australian Inventory of Chemical Substances

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