

Revision number: 1 Revision date: 07/06/2018

1. IDENTIFICATION

Product name: Product code:

Product use: Restrictions on use:

Company: TCI America 9211 N. Harborgate Street Portland, OR 97203 U.S.A. Telephone: +1-800-423-8616 / +1-503-283-1681 Fax: +1-888-520-1075 / +1-503-283-1987 e-mail: sales-US@TCIchemicals.com www.TCIchemicals.com

2. HAZARD(S) IDENTIFICATION

OSHA Haz Com: CFR 1910.1200: Specific Target Organ Toxicity (Single Exposure) [Category 3] WHMIS 2015: Signal word: Warning! Hazard Statement(s): May cause drowsiness or dizziness. Pictogram(s) or Symbol(s): Precautionary Statement(s): Avoid breathing mist, vapors or spray. Use only outdoors or in a well-ventilated area. [Prevention] [Response] If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Store locked up. [Storage] [Disposal] Dispose of contents and container in accordance with local, regional, national regulations (e.g. US: 40 CFR Part 261, EU:91/156/EEC, JP: Waste Disposal and Cleaning Act, etc.). Hazards not otherwise classified: None. [HNOC]

3. COMPOSITION/INFORMATION ON INGREDIENTS

Page 1 of 5

Fluoromethyl 1,1,1,3,3,3-Hexafluoroisopropyl Ether F0691

TCI AMERICA

SAFETY DATA SHEET

For laboratory research purposes. Not for drug or household use.

Emergency telephone number:

Chemical Emergencies: TCI America (8:00am - 5:00pm) PST +1-503-286-7624 Transportation Emergencies: Chemtrec 24-Hour +1-800-424-9300 (U.S.A.) +1-703-527-3887 (International) **Responsible department:** TCI America Environmental Health Safety and Security +1- 503-286-7624

4. FIRST-AID MEASURES					
Description of first sid measures					
Description of first aid measures Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON				
	CENTER or doctor/physician if you feel unwell.				
Skin contact:	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation				
Fue contect:	or rash occurs: Get medical advice/attention.				
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.				
Ingestion:	Get medical advice/attention if you feel unwell. Rinse mouth.				
Symptoms/effects:					
Acute:	Dizziness. Drowsiness.				
Delayed:	No data available				
Indication of any immediate medical atte Not available.	ention:				
Notes to physician:					
No data available					
5. FIRE-FIGHTING MEASURES					
Suitable extinguishing media:	Dry chemical, foam, water spray, carbon dioxide.				
Specific hazards arising from the	Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.				
chemical: Hazardous combustion products:	These products include: Carbon oxides Halogenated compounds				
Other specific hazards:	WARNING: Highly toxic HF gas is produced during combustion.				
Adviss for firstinktors.	Wear calf contained breathing apparatus if passible				
Advice for firefighters:	Wear self-contained breathing apparatus if possible.				
6. ACCIDENTAL RELEASE MEASU	RES				
Personal precautions, protective	Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate				
Personal precautions, protective equipment and emergency procedures:	ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off,				
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Form: Colour: Odour: Odor threshold: Odour threshold:	Liquid Clear Colorless - Almost colorles No data available No data available No data available	ss				
Melting point/freezing point: Boiling point/range: Decomposition temperature: Relative density: Kinematic viscosity:	No data available 58°C (136°F) No data available 1.52 No data available	pH: Vapour pressure: Vapour density: Dynamic Viscosity:	No data available No data available. No data available No data available			
Log Pow:	No data available	Evaporation rate(Butyl Acetate=1):	No data available			
Flash point: Flammability(solid, gas):	No data available No data available	Autoignition temperature: Flammability or explosive limits: Lower:	No data available No data available			
Solubility(ies): [Water] [Other solvents]	No data available No data available	Upper:	No data available			
10. STABILITY AND REACTIVITY						
Reactivity: Chemical stability: Possibility of hazardous reactio Incompatible materials: Hazardous decomposition prod	ns: No special reactivity has b Oxidizing agents	Stable under proper conditions. No special reactivity has been reported.				

11. TOXICOLOGICAL INFORMATION

RTECS Number: KO0737000

Acute Toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

IARC: No data available

NTP:

No data available

OSHA: No data available

Reproductive toxicity: No data available

Target organ(s):

May cause drowsiness or dizziness.

12. ECOLOGICAL INFORMATION

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Ecotoxicity:	
Fish:	No data available
Crustacea:	No data available
Algae:	No data available
Persistence / degradability:	No data available
Bioaccumulative potential(BCF): Mobility in soil	No data available
Log Pow:	No data available
Soil adsorption (Koc):	No data available
Henry's Law (PaM ³ /mol):	No data available
13. DISPOSAL CONSIDERATIONS Disposal of product:	Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil.
Disposal of container:	Dispose of as unused product. Do not re-use empty containers.
Other considerations:	Observe all federal, state and local regulations when disposing of the substance.
14. TRANSPORT INFORMATION	
DOT (US)	Non-hazardous for transportation.

IATA

IMDG

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA 8b.):

This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

Non-hazardous for transportation.

Non-hazardous for transportation.

(i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.

(ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on a SDS sheet.

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US Federal Regulations

CERCLA Hazardous substance and Reportable Quantity:

SARA 313:		Not Listed	
SARA 302:		Not Listed	
State Regulations	<u>5</u>		
State Right-to-Kn	ow		
Massachuset	ts	Not Listed	
New Jersey		Not Listed	
Pennsylvania	1	Not Listed	
California Propos	ition 65:	Not Listed	
Other Information	<u>1</u>		
NFPA Rating:			HMIS Classification:
Health:	2		Health:
Flammability:	0		Flammability:
Instability:	0		Physical:

International Inventories

16. OTHER INFORMATION

Revision date: 07/06/2018

Revision number: 1

TCI chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.