



Product name: Hexafluoropropene trimer				
		(Contd. of page 1)		
Information for doctor Most important symptoms and effects	s, both acute and delayed No further relevant information available.			
	attention and special treatment needed No further relevant information available.			
5 Fire-fighting measures Extinguishing media				
Suitable extinguishing agents Carbon	Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.			
Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide				
Hydrogen fluoride (HF) Advice for firefighters				
Protective equipment: Wear self-contained respirator.				
Wear fully protective impervious suit.				
6 Accidental release measures				
Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.				
Ensure adequate ventilation Environmental precautions: Do not all	Ensure adequate ventilation Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up:			
Absorb with liquid-binding material (sand	t t and cleaning up: d, diatomite, acid binders, universal binders, sawdust).			
Ensure adequate ventilation. Prevention of secondary hazards: No Reference to other sections	special measures required.			
See Section 7 for information on safe ha	andling			
See Section 8 for information on persona See Section 13 for disposal information.	al protection equipment.			
7 Handling and storage				
Handling Precautions for safe handling				
Keep container tightly sealed. Store in cool, dry place in tightly closed of	containers			
Ensure good ventilation at the workplace	explosions and fires: No information known.			
Conditions for safe storage, including	•			
	ns and receptacles: No special requirements.			
Further information about storage co	nmon storage facility: Store away from oxidizing agents. nditions:			
Keep container tightly sealed. Store in cool, dry conditions in well seale	ed containers.			
Specific end use(s) No further relevant information available.				
	8 Exposure controls/personal protection			
Properly operating chemical fume hood	Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.			
Control parameters Components with limit values that require monitoring at the workplace: Not required. Additional information: No data				
Exposure controls				
Personal protective equipment General protective and hygienic meas	sures			
General protective and hygienic meas The usual precautionary measures for h Keep away from foodstuffs, beverages a Pomous of voided and contaminated of	andling chemicals should be followed. and feed.			
Wash hands before breaks and at the er				
Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.				
Maintain an ergonomically appropriate w Breathing equipment: Use suitable res	vorking environment. pirator when high concentrations are present.			
Protection of hands: Impervious gloves				
Check protective gloves prior to each us The selection of suitable gloves not only	depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.			
Penetration time of glove material (in Eye protection: Safety glasses Body protection: Protective work clothi	minutes) Not determined			
9 Physical and chemical properties Information on basic physical and chemical properties				
General Information Appearance:				
Form: Color:	Liquid Colorless			
Odor: Odor threshold:	Not determined Not determined.			
pH-value:	Not determined.			
Change in condition Melting point/Melting range:	Not determined			
Boiling point/Boiling range: Sublimation temperature / start:	110-115 °C (230-239 °F) Not determined			
Flash point: Flammability (solid, gaseous)	Not determined Not determined.			
	Not determined.	(Contd. on page 3)		
		USA -		

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		(Contd. of page 2
Ignition temperature: Decomposition temperature: Auto igniting:	Not determined Not determined Not determined.	
Danger of explosion: Explosion limits: Lower: Upper: Vapor pressure: Density at 20 °C (68 °F): Relative density Vapor density	Product does not present an explosion hazard. Not determined Not determined 1.83 g/cm³ (15.271 lbs/gal) Not determined. Not determined. Not determined.	
Evaporation rate Solubility in / Miscibility with Water:	Not determined. Not miscible or difficult to mix	
Partition coefficient (n-octanol/wate Viscosity: dynamic: kinematic:	ter): Not determined. Not determined. Not determined.	
Other information	No further relevant information available.	
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen fluoride		
11 Toxicological information Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: Causes serious eye irritation. Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No effects known. Carcinogenicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.		
12 Ecological information Toxicity Aquatic toxicity: No further relevant i Persistence and degradability No fu Bioaccumulative potential No further Mobility in soil No further relevant im Additional ecological information: General notes: Do not allow material to be released to Avoid transfer into the environment. Results of PBT and vPvB assessme PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further rele	further relevant information available. ter relevant information available. nformation available. to the environment without proper governmental permits. nent	
Uncleaned packagings:	cal or national regulations to ensure proper disposal. e made according to official regulations.	
14 Transport information Not a hazardous material for transport	rtation.	
I		
UN-Number DOT, IMDG, IATA	None	
DOT, IMDG, IATA UN proper shipping name DOT, IMDG, IATA	None	
DOT, ÎMDĞ, IATA		
DOT, IMDG, IATA UN proper shipping name DOT, IMDG, IATA Transport hazard class(es) DOT, ADR, IMDG, IATA	None	
DOT, IMDG, IATA UN proper shipping name DOT, IMDG, IATA Transport hazard class(es) DOT, ADR, IMDG, IATA Class Packing group DOT, IMDG, IATA Environmental hazards:	None None None Not applicable.	
DOT, IMDG, IATA UN proper shipping name DOT, IMDG, IATA Transport hazard class(es) DOT, ADR, IMDG, IATA Class Packing group DOT, IMDG, IATA Environmental hazards: Special precautions for user	None None None	

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· ·	(Contd. of page 3)	
Transport/Additional information:	Not dangerous according to the above specifications.	
DOT Marine Pollutant (DOT):	No	
15 Regulatory information Safety, health and environmental regulations/legislati GHS label elements The product is classified and labeled Hazard pictograms	on specific for the substance or mixture d in accordance with 29 CFR 1910 (OSHA HCS)	
GHS07		
P304+P340 IF INHALED: Remove person to fresh Store locked up. P501 Dispose of contents/container in accor National regulations This product is not listed in the U.S. Environmental Protect to research and development only. This product must be a product must not be used for commercial purposes or in free SARA Section 313 (specific toxic chemical listings) Star California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance Prop 65 - Developmental toxicity, Substance is not listed Prop 65 - Developmental toxicity, female Substance is not Information about limitation of use: For use only by tec Other regulations, limitations and prohibitive regulations	hing/eye protection/face protection. er for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. air and keep comfortable for breathing. rdance with local/regional/national/international regulations. ction Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted used by or directly under the supervision of a technically qualified individual as defined by TSCA. This ormulations for commercial purposes. ubstance is not listed. d. not listed. ot listed. ot listed. ot listed. ot histed. ot her REACH Regulations (EC) No. 1907/2006. Substance is not listed. and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the orisation for use) Substance is not listed.	
information to ensure proper use and protect the health and conformance with this Material Safety Data Sheet, or in co	ent to other information gathered by them, and should make independent judgement of suitability of this nd safety of employees. This information is furnished without warranty, and any use of the product not in ombination with any other product or process, is the responsibility of the user.	
Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dan IATA-DGR: Dangerous Goods Regulations by the "International Air Transpo ICAO: International Civil Aviation Organization ICAO-TI: Technical Instructions by the "International Civil Aviation Organizati IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association IATA-International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society HMIS: Hazardous Materials Identification System (USA) WHIMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal dose, 50 percent LD50: Lethal dose, 50 percent VPVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) 0SHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	ngereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) rt Association" (IATA) tion" (ICAO)	

EPA: Environmental Protection Agency (USA)