

Safety Data Sheet 1300724 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/14/2016 Version: 1.0

ECTION 1: Identification .1. Identification roduct form			
TOOUGETOTTT	: Substance		
ubstance name	2,4-Dichloro-1,1,1,6,6,6-hexafluoro-2-hexene		
AS No	: 885275-95-6		
roduct code	: 1300-7-24		
ormula	: C6H4Cl2F6		
ther means of identification	: MFCD08461614		
2. Relevant identified uses of the set	ubstance or mixture and uses advised against		
se of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development		
3. Details of the supplier of the safe	ety data sheet		
ynQuest Laboratories, Inc. O. Box 309 lachua, FL 32615 - United States of Americ (386) 462-0788 - F (386) 462-7097 fo@synquestlabs.com - <u>www.synquestlabs</u>			
4. Emergency telephone number			
mergency number	: (844) 523-4086 (3E Company - Account 10069)		
ECTION 2: Hazard(s) identification	on		
1. Classification of the substance of	or mixture		
lassification (GHS-US)			
TOT SE 3 H335 - May cause respiratory ull text of H-phrases: see section 16 2. Label elements			
HS-US labeling			
-			
	: GHS07		
azard pictograms (GHS-US)	GHS07		
azard pictograms (GHS-US) ignal word (GHS-US) azard statements (GHS-US)			

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

	to Federal Register / Vol. 77, No. 58 / Mond	ay, March 2			
2.3.	Other hazards tional information available				
10 auun 2.4.	Unknown acute toxicity (GHS US)				
Not app					
		ion on i	narodionto		
	ION 3: Composition/informat		ngrealents		
3.1. Substan	Substance	· Mor	o-constituent		
	ice type	. 10101			
Name			Product identifier	% <= 100	Classification (GHS-US)
	hloro-1,1,1,6,6,6-hexafluoro-2-hexene instituent)		(CAS No) 885275-95-6	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text	of H-phrases: see section 16				
3.2.	Mixture				
Not app					
SECT	ION 4: First aid measures				
l.1.	Description of first aid measures				
	l measures general	whe	re possible). Move the affecte	d personnel away fror	
	I measures after inhalation	resp	iration. Get medical advice/att	ention.	eathing. If not breathing, give artificial
	l measures after skin contact		sh with plenty of soap and wat		
	l measures after eye contact	pres	ent and easy to do. Continue	rinsing. Get medical a	
-irst-aid	I measures after ingestion		NOT induce vomiting. Never g ith out with water. Get medical		to an unconscious person. Rinse
1.2.	Most important symptoms and ef	ects, both	acute and delayed		
Symptor	ms/injuries		most important known sympto and/or in section 11.	oms and effects are de	escribed in the labelling (see section
4.3.	Indication of any immediate medi	cal attenti	on and special treatment ne	eded	
Freat sy	mptomatically.				
SECT	ON 5: Firefighting measures				
5.1.	Extinguishing media				
Suitable	extinguishing media		hol resistant foam. Carbon die ropriate for surrounding fire.	oxide. Dry powder. Wa	ater spray. Use extinguishing media
5.2.	Special hazards arising from the	substance	or mixture		
-ire haz				: Carbon oxides. Hyd	rogen chloride. Hydrogen fluoride.
Explosic	on hazard		Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.		
5.3.	Advice for firefighters				
	ting instructions	: In ca	ase of fire: Evacuate area. Fig	ht fire remotely due to	the risk of explosion.
-	on during firefighting	: Wea	ar gas tight chemically protection	ve clothing in combina	ation with self contained breathing posure controls/personal protection".
SECTI	ION 6: Accidental release me				
6.1.	Personal precautions, protective				
General	measures		cuate unnecessary personnel. or or spray.	Ensure adequate air	ventilation. Do not breathe gas, fumes,
5.1.1.	For non-emergency personnel	. 0-1	(qualified personnel a suissed	with outtable	
inerge	ncy procedures	. Only	v qualified personnel equipped	i with suitable protecti	ve equipment may intervene.
5.1.2 .	For emergency responders				
Protectiv	ve equipment				equipment. For further information
Emerge	ncy procedures			• •	n". I spaces, particularly at or below ground
			···		

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.2. Environme	ental precautions			
Avoid release to the e	environment. Notify authorities	s if product enters sewers or public waters.		
6.3. Methods a	Methods and material for containment and cleaning up			
For containment :		Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.		
Methods for cleaning up		Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.		
Other information	:	For disposal of solid materials or residues refer to section 13 : "Disposal considerations".		
6.4. Reference	to other sections			
No additional informa	tion available			
SECTION 7: Har	dling and storage			
7.1. Precaution	s for safe handling			
Precautions for safe h	handling	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes.		
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.		
7.2. Conditions	for safe storage, including	any incompatibilities		
Technical measures :		Comply with applicable regulations.		
Storage conditions :		: Keep container closed when not in use.		
Incompatible materials :		: Refer to Section 10 on Incompatible Materials.		
Storage area	:	Store in dry, cool, well-ventilated area.		
SECTION 8: Exp	osure controls/perso	nal protection		
8.1. Control pa				

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties

12/06/2016	EN (English LIS)	SDS ID: 1300724	3/6
Vapor pressure	: No data available		
Oxidizing properties	: No data available		
Explosive properties	: No data available		
Explosion limits	: No data available		
Flammability (solid, gas)	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flash point	: No data available		
Boiling point	: 128 - 130 °C		
Freezing point	: No data available		
Melting point	: No data available		
H	: No data available		
Odor threshold	: No data available		
Odor	: No data available		
Color	: No data available		
Physical state	: Liquid		
0.1. Information on basic physical and	d chemical properties		

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 260.99 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from heat, sparks and flame.

10.5. Incompatible materials

Alkali metals. Finely divided metals (Al, Mg, Zn). Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECT	SECTION 12: Ecological information				
12.1.	Toxicity				
No addi	tional information available				
12.2.	Persistence and degradability				
No addi	tional information available				
12.3.	Bioaccumulative potential				

No additional information available

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal conside	rations		
13.1. Waste treatment methods			
Waste treatment methods	: Remove to an a	uthorized incinerator equipped with	an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of conte	ents/container in accordance with li	censed collector's sorting instructions.
Additional information	: Recycle the mat	erial as far as possible.	
SECTION 14: Transport informa	ation		
Department of Transportation (DOT)			
In accordance with DOT			
Not regulated for transport			
TDG			
No additional information available			
Transport by sea			
No additional information available			
Air transport			
No additional information available			
SECTION 15: Regulatory inform	nation		
15.1. US Federal regulations			
All components of this product are listed Substances Control Act (TSCA) inventor		n the United States Environmental	Protection Agency Toxic
2,4-Dichloro-1,1,1,6,6,6-hexafluoro-2-he	xene	CAS No 885275-95-6	100%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Full text of H-phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.