

Safety Data Sheet 5166501 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/12/2016 Version: 1.0

1.1. Identification		
Product form	: Substance	
Substance name	: 2-Chloroethyl ethyl sulfide	
CAS No	: 693-07-2	
Product code	: 5166-5-01	
Formula	: C4H9CIS	
Synonyms	: 1-Chloro-2-(ethylthio)ethane	
Other means of identification	: MFCD00000979	
1.2. Relevant identified uses of the su	ubstance or mixture and uses advised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development	
1.3. Details of the supplier of the safe	ty data sheet	
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com		
1.4. Emergency telephone number		
Emergency number	: (844) 523-4086 (3E Company - Account 10069)	
SECTION 2: Hazard(s) identificatio	on	
2.1. Classification of the substance of		
	T MIXture	
Classification (GHS-US) Flam. Liq. 3 H226 - Flammabl	le liquid and vapour	
Skin Corr. 1BH314 - Causes soEye Dam. 1H318 - Causes soCarc. 1AH350 - May causeSTOT SE 3H335 - May cause	evere skin burns and eye damage erious eye damage	
Skin Corr. 1BH314 - Causes soEye Dam. 1H318 - Causes soCarc. 1AH350 - May causSTOT SE 3H335 - May causFull text of H-phrases: see section 16	evere skin burns and eye damage erious eye damage se cancer	
Skin Corr. 1BH314 - Causes seEye Dam. 1H318 - Causes seCarc. 1AH350 - May causSTOT SE 3H335 - May causFull text of H-phrases: see section 162.2.Label elements	evere skin burns and eye damage erious eye damage se cancer	
Skin Corr. 1BH314 - Causes soEye Dam. 1H318 - Causes soCarc. 1AH350 - May causSTOT SE 3H335 - May causFull text of H-phrases: see section 162.2.Label elementsGHS-US labeling	evere skin burns and eye damage erious eye damage se cancer	
Skin Corr. 1BH314 - Causes soEye Dam. 1H318 - Causes soCarc. 1AH350 - May causeSTOT SE 3H335 - May causeFull text of H-phrases: see section 162.2.Label elementsGHS-US labelingHazard pictograms (GHS-US)	evere skin burns and eye damage erious eye damage se cancer	
Skin Corr. 1BH314 - Causes soEye Dam. 1H318 - Causes soCarc. 1AH350 - May causeSTOT SE 3H335 - May causeFull text of H-phrases: see section 162.2.Label elementsGHS-US labelingHazard pictograms (GHS-US)	evere skin burns and eye damage erious eye damage se cancer se respiratory irritation	
Skin Corr. 1BH314 - Causes soEye Dam. 1H318 - Causes soCarc. 1AH350 - May causSTOT SE 3H335 - May causFull text of H-phrases: see section 162.2.Label elements	evere skin burns and eye damage erious eye damage se cancer se respiratory irritation : $_{GHS02}$ $_{GHS05}$ $_{GHS06}$ $_{GHS07}$ $_{GHS07}$ $_{GHS08}$	
Skin Corr. 1B H314 - Causes so Eye Dam. 1 H318 - Causes so Carc. 1A H350 - May caus STOT SE 3 H335 - May caus Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	 evere skin burns and eye damage erious eye damage erious eye damage se cancer se respiratory irritation : () () () () () () () () () () () () ()	

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

~	Federal Register / Vol. 77, No. 58 / Monday, Ma	arch 26, 2012 / Rules and Regulations		
		P264 - Wash skin thoroughly after han P270 - Do not eat, drink or smoke whe P271 - Use only outdoors or in a well-v P280 - Wear protective gloves/protecti P301+P310 - If swallowed: Immediatel P301+P330+P331 - If swallowed: rinse P302+P352 - If on skin: Wash with ple P303+P361+P353 - If on skin (or hair): skin with water/shower P304+P340 - If inhaled: Remove perso P305+P351+P338 - If in eyes: Rinse c lenses, if present and easy to do. Cont P308+P313 - If exposed or concerned: P310 - Immediately call a POISON CE P311 - Call a POISON CENTER or do P321 - Specific treatment (see suppler P330 - Rinse mouth P361 - Take off immediately all contam P363 - Wash contaminated clothing be P370+P378 - In case of fire: Use dry s P403+P235 - Store in a well-ventilated P403+P235 - Store in a well-ventilated P405 - Store locked up P501 - Dispose of contents/container t	en using this product ventilated area ve clothing/eye protect ly call a poison center e mouth. Do NOT indu- nty of soap and water : Take off immediately on to fresh air and kee autiously with water fr tinue rinsing : Get medical advice/ : NTER or doctor/ physician mental first aid instruct hinated clothing efore reuse and, dry chemical or a l place. Keep cool	/doctor/ uce vomiting y all contaminated clothing. Rinse ep comfortable for breathing or several minutes. Remove contact attention sician tions on this label) alcohol-resistant foam to extinguish er tightly closed
2.3.	Other hazards			
	zards not contributing to the	Vesicant.		
2.4.	Unknown acute toxicity (GHS US)			
Not applic	cable			
SECTIO	ON 3: Composition/information	on ingredients		
3.1.	Substance			
Substanc	e type	Mono-constituent		
2 0.00.10				
Name		Product identifier	%	Classification (GHS-US)
Name	ethyl ethyl sulfide		<mark>%</mark> <= 100	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Carc. 1A, H350
Name 2-Chloroe (Main cons	ethyl ethyl sulfide	Product identifier		Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318
Name 2-Chloroe (Main cons	ethyl ethyl sulfide stituent)	Product identifier		Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Carc. 1A, H350
Name 2-Chloroe (Main cons Full text of 3.2. Not applie	ethyl ethyl sulfide stituent) of H-phrases: see section 16 Mixture cable	Product identifier		Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Carc. 1A, H350
Name 2-Chloroe (Main cons Full text o 3.2. Not applic SECTIO	ethyl ethyl sulfide stituent) of H-phrases: see section 16 <u>Mixture</u> cable DN 4: First aid measures	Product identifier		Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Carc. 1A, H350
Name 2-Chloroe (Main cons Full text o 3.2. Not applic SECTIC 4.1.	ethyl ethyl sulfide stituent) of H-phrases: see section 16 Mixture cable DN 4: First aid measures Description of first aid measures	In case of accident or if you feel unwel	<= 100	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Carc. 1A, H350 STOT SE 3, H335
Name 2-Chloroc (Main cons Full text of 3.2. Not applid SECTIO 4.1. First-aid n	ethyl ethyl sulfide stituent) of H-phrases: see section 16 Mixture cable DN 4: First aid measures Description of first aid measures neasures general :	Product identifier (CAS No) 693-07-2 In case of accident or if you feel unwel where possible). Move the affected per Remove person to fresh air and keep of the second se	<= 100	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Carc. 1A, H350 STOT SE 3, H335
Name 2-Chloroe (Main cons Full text of 3.2. Not applie SECTIO 4.1. First-aid r	ethyl ethyl sulfide stituent) of H-phrases: see section 16 Mixture cable DN 4: First aid measures Description of first aid measures measures general : measures after inhalation :	Product identifier (CAS No) 693-07-2 In case of accident or if you feel unwel where possible). Move the affected per solution of the affected per solution.	I, seek medical advice rsonnel away from the comfortable for breath vice/attention.	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Carc. 1A, H350 STOT SE 3, H335
Name 2-Chloroe (Main cons Full text of 3.2. Not applie SECTIO 4.1. First-aid r First-aid r	ethyl ethyl sulfide stituent) of H-phrases: see section 16 Mixture cable DN 4: First aid measures Description of first aid measures measures general neasures after inhalation neasures after skin contact	Product identifier (CAS No) 693-07-2 In case of accident or if you feel unwel where possible). Move the affected per Remove person to fresh air and keep of respiration. Get immediate medical adw Wash with plenty of soap and water. R	I, seek medical advice rsonnel away from the comfortable for breath vice/attention. temove contaminated on water for at least 15	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Carc. 1A, H350 STOT SE 3, H335
Name 2-Chloroe (Main cons Full text of 3.2. Not applie SECTIO 4.1. First-aid r First-aid r First-aid r	ethyl ethyl sulfide stituent) of H-phrases: see section 16 Mixture cable DN 4: First aid measures Description of first aid measures neasures general neasures after inhalation neasures after skin contact neasures after eye contact	Product identifier (CAS No) 693-07-2 In case of accident or if you feel unwell where possible). Move the affected per Remove person to fresh air and keep of respiration. Get immediate medical advice/attention. Immediately flush eyes thoroughly with	I, seek medical advice rsonnel away from the comfortable for breath vice/attention. temove contaminated n water for at least 15 ng. Get immediate me unything by mouth to a	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Carc. 1A, H350 STOT SE 3, H335
Name 2-Chloroe (Main cons Full text of 3.2. Not applie SECTIO 4.1. First-aid r First-aid r First-aid r	ethyl ethyl sulfide stituent) of H-phrases: see section 16 Mixture cable DN 4: First aid measures Description of first aid measures neasures general neasures after inhalation neasures after skin contact neasures after eye contact	Product identifier (CAS No) 693-07-2 In case of accident or if you feel unwel where possible). Move the affected per Remove person to fresh air and keep of respiration. Get immediate medical advice/attention. Immediately flush eyes thoroughly with present and easy to do. Continue rinsin Do NOT induce vomiting. Never give a mouth out with water. Get immediate net for the set of the se	I, seek medical advice rsonnel away from the comfortable for breath vice/attention. temove contaminated n water for at least 15 ng. Get immediate me unything by mouth to a	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Carc. 1A, H350 STOT SE 3, H335
Name 2-Chloroe (Main cons Full text of 3.2. Not applie SECTIO 4.1. First-aid r First-aid r First-aid r First-aid r First-aid r	ethyl ethyl sulfide stituent) of H-phrases: see section 16 Mixture cable DN 4: First aid measures Description of first aid measures neasures general : neasures after inhalation : neasures after eye contact : neasures after ingestion : measures after ingestion	Product identifier (CAS No) 693-07-2 In case of accident or if you feel unwel where possible). Move the affected per Remove person to fresh air and keep of respiration. Get immediate medical advice/attention. Immediately flush eyes thoroughly with present and easy to do. Continue rinsin Do NOT induce vomiting. Never give a mouth out with water. Get immediate net for the set of the se	I, seek medical advice rsonnel away from the comfortable for breath vice/attention. temove contaminated n water for at least 15 ng. Get immediate me inything by mouth to a nedical advice/attention	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Carc. 1A, H350 STOT SE 3, H335 e immediately (show the label e contaminated area. hing. If not breathing, give artificial clothing and shoes. Get immediate minutes. Remove contact lenses, if edical advice/attention. an unconscious person. Rinse on.

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

4.3. Indication of any immediate med	ical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	S
5.1. Extinguishing media	
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.
5.2. Special hazards arising from the	
Fire hazard	: Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Sulfur oxides.
Explosion hazard	: Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers. May form flammable/explosive vapor-air mixture.
5.3. Advice for firefighters	
Firefighting instructions	: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection during firefighting	: Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".
SECTION 6: Accidental release me	easures
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.
6.1.1. For non-emergency personnel	
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.
6.1.2. For emergency responders Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information
	refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Consider the risk of potentially explosive atmospheres. Eliminate every possible source of ignition.
6.2. Environmental precautions	
Avoid release to the environment. Notify auth	orities if product enters sewers or public waters.
6.3. Methods and material for contair	nment 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 information available	
SECTION 7: Handling and storage	;
7.1. Precautions for safe handling	
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
Precautions for safe 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. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.
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, inclu	uding any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources.
	: Refer to Section 10 on Incompatible Materials.
Incompatible materials	· ·
Incompatible materials Storage temperature	 2 - 8 °C Use explosion proof refrigerator Store in dry, well-ventilated area.

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

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

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

9.1. Information on basic physical and c	hemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 156 - 157 °C
Flash point	: 52 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: 40 mm Hg (at 73 °C)
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 1.07 g/ml (@ 25 °C)
Molecular mass	: 124.63 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	
Refractive index	: 1.4885 (@ 20 °C)
SECTION 10: Stability and reactivity	

10.1.	Reactivity
No additi	onal information available
10.2.	Chemical stability
The prod	uct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No additi	onal information available

Safety Data Sheet

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

10.4. Conditions to avoid

Keep away from heat, sparks and flame.

10.5. Incompatible materials

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

: Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled.

2-Chloroethyl ethyl sulfide (693-07-2)	
LD50 oral rat	252 mg/kg
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
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
Symptoms/injuries after inhalation	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

ECTION 12: Ecological information
1. Toxicity
additional information available
2. Persistence and degradability
additional information available
3. Bioaccumulative potential
additional information available
4. Mobility in soil
additional information available
5. Other adverse effects

No additional information available

SECTION 13: Disposal considerati	ons		
13.1. Waste treatment methods			
Waste treatment methods	: Remove to an authorized incine	rator equipped with an afterburner and a flue gas scrubb	er.
Waste disposal recommendations	: Dispose of contents/container ir	accordance with licensed collector's sorting instructions	S.
Additional information	: Recycle the material as far as p	ossible.	
SECTION 14: Transport informatio	n		
· · · · · ·	n		
Department of Transportation (DOT) In accordance with DOT			
Department of Transportation (DOT) In accordance with DOT	n : UN2929 Toxic liquids, flammab	e, organic, n.o.s., 6.1, II	
SECTION 14: Transport informatio Department of Transportation (DOT) In accordance with DOT Transport document description UN-No.(DOT)		e, organic, n.o.s., 6.1, II	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Proper Shipping Name (DOT) : Toxic liquids, flammable, organic, n.o.s. Transport hazard class(es) (DOT) : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132 Hazard labels (DOT) 6.1 - Poison 3 - Flammable liquid Packing group (DOT) : II - Medium Danger DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Bulk (49 CFR 173.xxx) : 243 DOT Symbols : G - Identifies PSN requiring a technical name : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite DOT Special Provisions (49 CFR 172.102) (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T11 - 6 178.274(d)(2) Normal..... 178.275(d)(3) TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively. TP13 - Self-contained breathing apparatus must be provided when this hazardous material is transported by sea. TP27 - A portable tank having a minimum test pressure of 4 bar (400 kPa) may be used provided the calculated test pressure is 4 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP. DOT Packaging Exceptions (49 CFR 173.xxx) : 153 DOT Quantity Limitations Passenger aircraft/rail : 5 L (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 : 60 L CFR 175.75) DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. DOT Vessel Stowage Other 40 - Stow "clear of living quarters" Other information : No supplementary information available. TDG No additional information available Transport by sea UN-No. (IMDG) : 2929 Proper Shipping Name (IMDG) : TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S. Class (IMDG) : 6.1 - Toxic substances Packing group (IMDG) : II - substances presenting medium danger Air transport UN-No. (IATA) : 2929 Proper Shipping Name (IATA) : Toxic liquid, flammable, organic, n.o.s. Class (IATA) : 6.1 - Toxic Substances Packing group (IATA) : II - Medium Danger

Safety Data Sheet

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

SECTION 15: Regulatory information	
15.1. US Federal regulations	
2-Chloroethyl ethyl sulfide (693-07-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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

2-Chloroethyl ethyl sulfide (693-07-2)

Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations

No additional information available

National regulations

2-Chloroethyl ethyl sulfide (693-07-2)

Listed on the Canadian IDL (Ingredient Disclosure List)

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:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Carc. 1A	Carcinogenicity Category 1A
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Flam. Liq. 3	Flammable liquids Category 3
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H301	Toxic if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H331	Toxic if inhaled
H335	May cause respiratory irritation
H350	May cause cancer

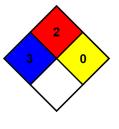
NFPA health hazard

NFPA fire hazard

NFPA reactivity

: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

- : 2 Must be moderately heated or exposed to relatively high temperature before ignition can occur.
- : 0 Normally stable, even under fire exposure conditions, and are not reactive with water.



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

HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
	* - Chronic (long-term) health effects may result from repeated overexposure
Flammability	 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)
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.