



1/10

MATERIAL SAFETY DATA SHEET

NFPA HMIS Personal Protective Equipment



Health Hazard	2
Fire Hazard	2
Reactivity	1









See Section 8.	

1. CHEMICAL PRODUCT AN	ND COMPANY IDENTIFICATION					
Product code:	E2875					
Product Name:	ETHYL 2-CYANOACRYLATE					
Chemical Name:	-Propenoic acid, 2-cyano-, ethyl ester					
Synonyms:	Acrylic acid, 2-cyano-, ethyl ester					
	2-Cyanoacrylic acid ethyl ester					
	Cyanon S					
	Ethyl cyanoacrylate					
	Ethyl alpha-cyanoacrylate					
	Ethyl 2-cyano-2-propenoate					
	Super Glue					
Recommended use:	Adhesives.					
CAS #:	7085-85-0					
Formula:	C6-H7-N-O2					
RTECS #	UD3330050					
CI#:	Not available					
Supplier:	Spectrum Chemicals and Laboratory Products, Inc.					
	14422 South San Pedro St.					
	Gardena, CA 90248					
	(310) 516-8000					
Emergency Telephone Number:	CHEMTREC: 1-800-424-9300					
Contact Person:	Martin LaBenz (West Coast)					
Contact Person:	Chris Terpak (East Coast)					

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! COMBUSTIBLE LIQUID. WARNING! IRRITANT. Irritating to skin. Irritating to eyes. Irritating to respiratory system. May cause allergic skin reaction. May cause contact dermatitis.

Odor:Physical state:Appearance:Color:Strong. Acrid.Liquid.No information availableClear. Colorless.

OSHA Regulatory Status

Product code: E2875

This material is considered hazardous by the OSHA Hazard Communication

Standard (29 CFR 1910.1200)

Product name: ETHYL 2-CYANOACRYLATE

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Principal Routes of Exposure:

Skin. Eyes. Inhalation. Ingestion.

Acute Potential Health Effects:

Skin Contact:

Irritating to skin. May cause allergic skin reaction. It may cause contact dermatitis.

Eye Contact:

Causes eye irritation.

Inhalation:

Irritating to respiratory system.

Ingestion:

Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhoea. May cause central nervous system effects.

Chronic Potential Health Effects:

Component Carcinogen Status:

Ethyl 2-Cyanoacrylate
7085-85-0 (100)

No information available

Target Organs: No information available

Teratogenic Effects: No information available

Mutagenic Effects:No information available

Aggravated Medical Conditions: No information available

See Section 11 for additional Toxicological Information

POTENTIAL ENVIRONMENTAL EFFECTS

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %	
Ethyl 2-Cyanoacrylate	7085-85-0	100	

4. FIRST AID MEASURES

General Advice: Poison information centres in each State capital city can provide additional

assistance for scheduled poisons (13 1126)

Product code: E2875 Product name: ETHYL 2- 2/10

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated

clothes and shoes. If skin irritation persists, call a physician. Get medical attention.

Eye Contact: Flush eye with water for 15 minutes. Get medical attention.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult,

give oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an

unconscious person. Obtain medical attention.

Notes to Physician: Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties

Flashpoint (°C/°F):	82.78-85°C/181-185°F
· ·	

Tested according to:

Closed cup

Lower Explosion Limit (%):	No information available
Upper Explosion Limit (%):	No information available

Autoignition Temperature (°C/°F): Not applicable.

Suitable Extinguishing Media: Dry chemical. Carbon dioxide (CO2). Foam.

Unsuitable Extinguishing Media: Water.

Hazardous Combustion Products: Carbon monoxide; Carbon dioxide; Nitrogen oxides

Specific hazards: Combustible material. Vapors may form explosive mixtures

with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas

(sewers, basements, tanks). Container explosion may occur

under fire conditions or when heated.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear

Specific Methods:Do not use water on material itself. Do not get water inside

containers.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Remove all sources of ignition.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Product code: E2875 Product name: ETHYL 2- 3 / 10

Methods for Cleaning Up:

Absorb spill with inert material (e.g. vermiculite, dry sand or earth), then place in a suitable chemical waste container. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice:

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not ingest. Do not breathe vapors or spray mist. Handle in accordance with good industrial hygiene and safety practice.

Storage

Technical Measures/Storage Conditions:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep refrigerated. Keep at temperatures between 2 and 8 °C. Protect from light. Sensitive to light. Store in light-resistant containers. Moisture sensitive. Protect from moisture. Store in a segrated and approved area. Store away from incompatible materials.

Incompatible Products:

Oxidizing agents. Alkali Metals. Alcohols. Amines. Water. Reducing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure: Ensure adequate ventilation. Provide exhaust ventilation or

other engineering controls to keep the airborne

concentrations of vapors and mist below their respective

threshold limit value.

Personal Protective Equipment

Eye protection: Goggles.

Skin and body protection: Long sleeved clothing. Chemical resistant apron. Gloves.

Respiratory protection: Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an

approved/certified respirator or equivalent. .

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and

immediately after handling the product. When using, do not eat, drink or smoke.

National occupational exposure limits

United States

U.S Occupational Exposure Limits: Not determined

Product code: E2875 Product name: ETHYL 2- 4/10 CYANOACRYLATE

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
	None	None	0.2 ppm TWA	None
Ethyl 2-Cvanoacrylate - 7085-85-0				

Canada

Canada Occupational Exposure Limits: Not determined

Components	Alberta	British Columbia	Ontario	Quebec
Ethyl 2-Cyanoacrylate	0.2 ppm TWA	0.2 ppm TWA	0.2 ppm TWA	None
7085-85-0	1 mg/m ³ TWA			

Australia and Mexico

Occupational Exposure Limits for Australia and Mexico: Not determined

Components	Australia	Mexico
Ethyl 2-Cyanoacrylate	None	None
7085-85-0		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Appearance: Color:

No information available Clear. Colorless. Liquid.

Molecular/Formula weight: Odor: **Taste**

Strong. Acrid. No information available 125.13

Flash point (°C): Lower Explosion Limit (%): **Upper Explosion Limit (%):**

82.78 Not applicable Not applicable

Autoignition Temperature (°C/°F): :Ha Melting point/range(°C/°F):

No information available No information available -20 to -25 °C/-4 to -13 °F

Decomposition temperature(°C/°F): Boiling point/range(°C/°F): Specific gravity: 54-56 °C/129-133 °F No information available 1.040 @ 20 °C

Vapor pressure @ 20°C (kPa):

Density (g/cm3): **Bulk density:** No information available 0.0413 1.040

Vapor density: VOC content (g/L): **Evaporation rate:** No information available No information available No information available

Odor threshold (ppm): Partition coefficient Miscibility:

No information available (n-octanol/water): No information available

1.42

Solubility:

Reacts with water

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions

Conditions to avoid: Heat. Ignition sources. Exposure to light. Exposure to moist air. Exposure to

moisture. Exposure to water. Incompatible materials.

Materials to avoid: water. Amines. Alkali metals. Alcohols. Oxidising agents. Reducing agents.

Hazardous decomposition Carbon monoxide. Carbon dioxide. Nitrogen oxides (NOx). Hydrogen cyanide

products: (hydrocyanic acid). Formaldehyde.

Product code: E2875 Product name: ETHYL 2-5/10 CYANOACRYLATE

Possibility of Hazardous

Reactions:

Reacts with water.

Polymerization: Polyimerizes in water.

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Ethyl 2-Cyanoacrylate - 7085-85-0

LD50/oral/rat = > 5 mL/kg or > 5000 mg/kg Oral LD50 Rat

LD50/oral/mouse = No information available

LD50/dermal/rabbit = No information available

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No infomation available

Other LD50 or LC50information =

No information available

Product Information

LC50/inhalation/rat = No information available
LC50/Inhalation/mouse = No information available
LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LD50/oral/mouse = No information available

LD50/oral/rat = > 5 mL/kg or > 5000 mg/kg

Local Effects

Skin irritation: Causes skin irritation. May cause contact dermatitis.

Eye irritation: Causes eye irritation. Causes lacrimation.

Inhalation: Irritating to respiratory system. Symptoms may include coughing and wheezing. Can

cause dyspnea (shortness of breath and difficulty breathing). May cause asthmatic

responses.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May

affect behavior/central nervous system (convulsions). May affect behavior/central

nervous system (somnolence).

Sensitization: May cause sensitization by skin contact

Chronic Toxicity

Chronic Toxicity No information available

Carcinogenic effects: Not considered carcinogenic

Components	NTP	IARC	OSHA HCS -	ACGIH - Carcinogens	Australia - Prohibited	Australia - Notifiable
·			Carcinogens		Carcinogenic	Carcinogenic
					Substances	Substances
Ethyl 2-Cyanoacrylate	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

No information available **Mutagenic Effects:** No information available **Reproductive Effects:**

Teratogenic Effects: No information available

Target Organs: No information available

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Toxicity to terrestrial and aquatic plants and animals: No information available

Ecotoxicity effects: No data available.

No information available **Aquatic toxicity:**

No information available **Mobility:**

Persistence and degradability: No information available

No information available Bioaccumulative potential:

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Components	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Ethyl 2-Cyanoacrylate	None	None	None	None

14. TRANSPORT INFORMATION

DOT

Not regulated UN-No:

No information available **Proper Shipping Name: Hazard Class:** No information available

Packing Group: None

Not applicable **Subsidiary Risk: Marine Pollutant** No data available

ERG No: No information available DOT RQ (lbs): No information available

TDG (Canada)

Not Regulated UN-No:

No information available **Proper Shipping Name:** No information available **Hazard Class: Packing Group:** No information available **Subsidiary Risk:** No information available

Product code: E2875 Product name: ETHYL 2-7/10

Description: No information available

ADR

UN-No: Not Regulated

Proper Shipping Name:
Hazard Class:
Packing Group:
Subsidiary Risk:
Classification Code:
Description:
No information available

IMO / IMDG

UN-No: Not Regulated

Proper Shipping Name: No information available **Hazard Class:** No information available No information available **Packing Group: Subsidiary Risk:** No information available **Description:** No information available **IMDG Page:** No information available **Marine Pollutant** No information available No information available MFAG: **Maximum Quantity:** No information available

RID

UN-No: Not Regulated

Proper Shipping Name:
Hazard Class:
Packing Group:
Subsidiary Risk:
Classification Code:
Description:
No information available

ICAO

UN-No: Not Regulated

Proper Shipping Name:
Hazard Class:
Packing Group:
Subsidiary Risk:
No information available

IATA

UN-No: Not Regulated

Proper Shipping Name:
Hazard Class:
Packing Group:
Subsidiary Risk:
Description:
No information available
No information available
No information available
No information available

15. REGULATORY INFORMATION

International Inventories

Components	U.S. TSCA	Philippines (PICCS)	KOREA KECL	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Ethyl 2-Cyanoacrylate	Present	Present	KE-09116	2-2789	Present	Present	230-391-5

Product code: E2875 Product name: ETHYL 2- 8/10

U.S. Regulations

Ethyl 2-Cyanoacrylate

New Jersey RTK Hazardous Substance List: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcment Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	Carcinogen	Developmental Toxicity		Female Reproductive Toxicity:
Ethyl 2-Cyanoacrylate	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CERCLA - Hazardous	Section 302 Extremely	Section 302 Extremely	Section 313 -	Section 313 - Reporting
	Substances and their	Hazardous	Hazardous	Chemical Category	de minimis
	Reportable Quantities	Substances and TPQs	Substances and RQs		
Ethyl 2-Cyanoacrylate	None	None	None	None	None

U.S. TSCA

Components	TSCA Section 5(a)2 - Chemicals With Significant	TSCA 8(d) -Health and Safety Reporting	
	New Use Rules (SNURS)		
Ethyl 2-Cyanoacrylate	Not Applicable	01/26/199412/19/1995	

Canada

WHMIS hazard class:

B3 Combustible liquid

Ethyl 2-Cyanoacrylate

ВЗ

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Inventory

Components	inada (DSL)	Canada (NDSL)
Ethyl 2-Cyanoacrylate Pres	esent	Not Listed

Components	CEPA Schedule I - Toxic Substances	CEPA - 2010 Greenhouse Gases Subject to Manditory
		Reporting
Ethyl 2-Cyanoacrylate	Not listed	Not listed

EU Classification

R-phrase(s)

R-phrase(s)

R36/37/38 - Irritating to eyes, respiratory system and skin.

Product code: E2875 Product name: ETHYL 2-9/10

S -phrase(s)

S 2 - Keep out of the reach of children.

S23 - Do not breathe gas/fumes/vapor/spray.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S24/25 - Avoid contact with skin and eyes.

Components	Classification	Safety Phrases
	Xi; R36/37/38	S2 S23 S24/25 S26

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xi - Irritant.



16. OTHER INFORMATION

The MSDS format complies with ANSI Z400.1-2004 standards.

Preparation Date 20-Apr-2012

Reason for revision: Not applicable

Prepared by: Sonia Owen

Literature reference: No information available

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. The physical properties reported in this MSDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

Product code: E2875 Product name: ETHYL 2- 10 / 10