

CV-1161

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 11/08/2021 Date of Issue: 05/12/2014

SECTION 1: Identification

1.1. Product Identifier

Product Form Mixture
Product Name CV-1161
Synonyms Silicone Adhesive

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use of the Substance/Mixture For professional use only.

1.3. Details of the Supplier of the Safety Data Sheet

NuSil Technology LLC
1050 Cindy Lane
Carpinteria, California 93013
USA
(805) 684-8780
ehs@nusil.com
www.nusil.com

1.4. Emergency Telephone Number

Emergency Number 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International and Maritime)

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

GHS-US Classification

Flam. Liq. 2 H225
Eye Irrit. 2A H319
STOT SE 3 H336

Full text of hazard classes and H-statements: see section 1.6

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



GHS02



GHS07

Signal Word (GHS-US)

Danger

Hazard Statements (GHS-US)

H225 - Highly flammable liquid and vapor
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

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Precautionary Statements (GHS-US)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof electrical, ventilating, and lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing, and eye protection.
P304+P340+P312 - If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.
P403+P233+P235 - Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Other Hazards Not Contributing to the Classification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: Composition/Information On Ingredients

3.1. Substances

Not applicable.

3.2. Mixture

Name	Product Identifier	%	GHS-US Classification
Ethyl Acetate	(CAS-No.) 141-78-6	40 - 60	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

Full text of H-phrases: see section 16

SECTION 4: First Aid Measures

4.1. Description of First-aid Measures

First-aid Measures General

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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First-aid Measures After Inhalation	When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
First-aid Measures After Skin Contact	Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.
First-aid Measures After Eye Contact	Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid Measures After Ingestion	Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries	May cause drowsiness and dizziness. Causes serious eye irritation.
Symptoms/Injuries After Inhalation	High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.
Symptoms/Injuries After Skin Contact	Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact	Causes severe irritation to the cornea, iris, or conjunctiva.
Symptoms/Injuries After Ingestion	Ingestion may cause adverse effects.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

Suitable Extinguishing Media	: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂). Water may be ineffective but water should be used to keep fire-exposed container cool.
Unsuitable Extinguishing Media	: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard	Highly flammable liquid and vapor.
Explosion Hazard	May form flammable or explosive vapor-air mixture.
Reactivity	Hazardous reactions will not occur under normal conditions

5.3. Advice for Firefighters

Precautionary Measures Fire	Exercise caution when fighting any chemical fire.
Firefighting Instructions	Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection During Firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment And Emergency Procedures

General Measures

Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges. Do not breathe vapor, mist or spray.

6.1.1. For Non-Emergency Personnel

Protective Equipment

Use appropriate personal protective equipment (PPE).

Emergency Procedures

Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2. For emergency responders

Protective Equipment

Equip cleanup crew with proper protection.

Emergency Procedures

Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area. Eliminate ignition sources.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up

Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

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

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take precautionary measures against static discharge. Use only non-sparking tools. Do not get in eyes, on skin, or on clothing. Obtain special instructions before use. Do not breathe vapors, mist, spray. Do not handle until all safety precautions have been read and understood.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety procedures.

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7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures

Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

Storage Conditions

Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place.

Incompatible Materials

Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

For professional use only.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), or OSHA (PEL).

Ethyl Acetate (141-78-6)		
USA ACGIH	ACGIH TWA (ppm)	400 ppm
USA NIOSH REL	NIOSH REL TWA (mg/m ³)	1400 mg/m ³
USA NIOSH REL	NIOSH REL TWA (ppm)	400 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	1400 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm

8.2. Exposure Controls

Appropriate Engineering Controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.

Personal Protective Equipment



Materials For Protective Clothing

Chemically resistant materials and fabrics. Wear fire/flammable resistant/retardant clothing.

Hand Protection

Wear protective gloves.

Eye And Face Protection

Chemical safety goggles.

Skin And Body Protection

Wear suitable protective clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information

When using, do not eat, drink or smoke.

SECTION 9: Physical and Chemical Properties**9.1. Information on Basic Physical and Chemical Properties**

Physical State	Liquid
Appearance	Colorless
Odor	Solvent
Odor Threshold	No data available
pH	No data available
Evaporation Rate	No data available
Melting Point	No data available
Freezing Point	No data available
Boiling Point	> 204.4 °C (> 400 °F)
Flash Point	-4.4 °C (24 °F)
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (solid, gas)	Not applicable
Vapor Pressure	No data available
Relative Vapor Density at 20 °C	No data available
Relative Density	No data available
Specific Gravity	> 1
Solubility	No data available
Partition Coefficient n-Octanol/Water	No data available
Viscosity	No data available

9.2. Other Information

No additional information available

SECTION 10: Stability and Reactivity**10.1. Reactivity**

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability

Extremely flammable liquid and vapor. May form flammable or explosive vapor-air mixture.

10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products

Thermal decomposition generates: Carbon oxides (CO, CO₂). Silicon oxides.

SECTION 11: Toxicological Information**11.1. Information on Toxicological Effects**

Acute Toxicity (Oral)	: Not classified
Acute Toxicity (Dermal)	: Not classified

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Acute Toxicity (Inhalation) : Not classified

Ethyl Acetate (141-78-6)	
LD50 Oral Rat	5620 mg/kg
LD50 Dermal Rabbit	> 18000 mg/kg
LC50 Inhalation Rat	> 7348 mg/l/4h (calculated off of 6hr test results)
LC50 Inhalation Rat	4000 ppm/4h

Skin Corrosion/Irritation	Not classified.
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 drowsiness or dizziness.
Specific Target Organ Toxicity (Repeated Exposure)	: Not classified
Aspiration Hazard	Not classified
Symptoms/Injuries After Inhalation	High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.
Symptoms/Injuries After Skin Contact	Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact	Contact causes severe irritation with redness and swelling of the conjunctiva.
Symptoms/Injuries After Ingestion	Ingestion may cause adverse effects.

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General Not classified.

Ethyl Acetate (141-78-6)	
LC50 Fish 1	212.94 – 237.73 mg/l (Exposure time: 72 h - Species: <i>Heteropneustes fossilis</i>)
EC50 Daphnia 1	560 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i> [Static])
LC50 Fish 2	484 mg/l (Exposure time: 96 h - Species: <i>Oncorhynchus mykiss</i> [flow-through])

12.2. Persistence and Degradability

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Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

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Bioaccumulative Potential	Not established.
Ethyl Acetate (141-78-6)	
BCF Fish 1	30
Partition coefficient n-octanol/water (Log Pow)	0.6

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12.4. Mobility In Soil

No additional information available

12.5. Other Adverse Effects

Other Information Avoid release to the environment.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Waste Disposal	Dispose of contents/container in accordance with local, regional, national, and international regulations.
Recommendations	
Additional Information	Handle empty containers with care because residual vapors are flammable.
Ecology - Waste Materials	Avoid release to the environment.

SECTION 14: Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Proper Shipping Name	ETHYL ACETATE Solution
Hazard Class	3
Identification Number	UN1173
Label Codes	3
Packing Group	II
ERG Number	128



14.2. In Accordance with IMDG

Proper Shipping Name	ETHYL ACETATE Solution
Hazard Class	3
Identification Number	UN1173
Packing Group	II
Label Codes	3
EmS-No. (Fire)	F-E
EmS-No. (Spillage)	S-E



14.3. In Accordance with IATA

Proper Shipping Name	ETHYL ACETATE Solution
Packing Group	II
Identification Number	UN1173
Hazard Class	3
Label Codes	3
ERG Code (IATA)	3H



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SECTION 15: Regulatory Information

15.1. US Federal Regulations

All components in this mixture are listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, have been exempted, are not listed, not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

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SARA Section 311/312 Hazard Classes	Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Serious eye irritation Health hazard - Specific target organ toxicity (single or repeated exposure)
Ethyl acetate (141-78-6)	
CERCLA RQ	5000 lb

15.2. US State Regulations

Ethyl Acetate (141-78-6)

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RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
RTK - U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Minnesota - Hazardous Substance List
RTK - U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - North Carolina - Control of Toxic Air Pollutants
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances
U.S. - Tennessee - Occupational Exposure Limits - TWAs
U.S. - Massachusetts - Toxics Use Reduction Act
U.S. - Vermont - Permissible Exposure Limits - TWAs
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)
U.S. - Washington - Permissible Exposure Limits - TWAs
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)
U.S. - Washington - Permissible Exposure Limits - STELs
U.S. - Massachusetts - Threshold Effects Exposure Limits (TELs)
U.S. - Massachusetts - Allowable Ambient Limits (AALs)
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - New York - Occupational Exposure Limits - TWAs
U.S. - Michigan - Occupational Exposure Limits - TWAs
U.S. - Minnesota - Permissible Exposure Limits - TWAs
U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity
U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2
U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2
U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1
U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1
U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities
U.S. - Connecticut - Volatile Substances
U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances
U.S. - Washington - Dangerous Waste - Discarded Chemical Products List
U.S. - New Jersey - Water Quality - Practical Quantitation Levels (PQLs)
U.S. - New Jersey - Water Quality - Ground Water Quality Criteria
U.S. - Oregon - Permissible Exposure Limits - TWAs
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Michigan - Polluting Materials List
RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Massachusetts - Allowable Threshold Concentrations (ATCs)
U.S. - North Dakota - Hazardous Wastes - Discarded Chemical Products, Off-Specification Species, Container and Spill Residues
U.S. - Texas - City of Austin - Aerosol Paint and Glue Restrictions
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
U.S. - Colorado - Hazardous Wastes - Discarded Chemical Products, Off-Specification Species, Container and Spill Residues

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U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups

SECTION 16: Other Information, Including Date of Preparation or Last Revision

Date of Preparation or Latest Revision 11/08/2021

Other Information This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

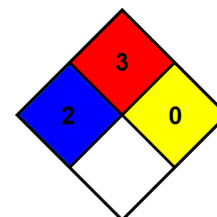
GHS Full Text Phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.

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 : 3 Serious Hazard
Physical : 0 Minimal Hazard

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