

Date of Issue: 01/30/2018
Rev No/Date: 02 09/22/2020

SECTION 1: IDENTIFICATION

Product Name: VE-WELD Part B
Product Identifier: Liquid Hardener

Relevant identified uses of the substance

Product Use: Vinyl Ester proprietary mixture initiator

Supplier: Conley Composites
4544 Broadmoor Ave
Kentwood, MI 49512 USA

Tel: 1+616-512-8000
Fax: 1+616-512-8001

Emergency Telephone Number: PERS
1-800-633-8253

SECTION 2: HAZARDS IDENTIFICATION

Hazardous Classification	Acute Toxicity, oral	Category 4
	Skin corrosion/irritation	Category 1B
	Eye Dam:	Category 1
	Reproductive toxicity	Category 2
	Organic peroxides	Type D

Signal Words: Danger



Hazard Statement(s)	Heating may cause a fire
	Harmful if swallowed
	Causes severe skin burns and eye damage
	Suspected of damaging fertility or the unborn child

PREVENTION

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dusts or mists. P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep/Store away from clothing/ combustible materials. Keep only in original container.

RESPONSE

IF exposed or concerned: Get medical advice/attention.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.

STORAGE

Store locked up. Store at temperatures not exceeding 38 °C/ 100 °F. Keep cool. Protect from sunlight. Store away from other materials.

DISPOSAL

Dispose of contents/containers in accordance with local regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

No information available.

OTHER HAZARDS

Not applicable.

Product Code 28013.05 Page 2 / 8 AGHS - USA OSHA SDS

UNKNOWN ACUTE TOXICITY 0% of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance(s): Mixture

Product Name: VE-WELD Part B

Ingredient Name	%	CAS Number
Methyl Ethyl Ketone Peroxide	25 - 30	1338-23-4
Methyl Ethyl Ketone	3 - 5	78-93-3
Hydrogen peroxide	3 - 5	7722-84-1
C.I. Solvent Red 164	0.3 - 1	92257-31-3

*Other components below reportable levels

*designates that a specific chemical identity and or percentage of composition has been withheld as a proprietary.

SECTION 4: FIRST-AID MEASURES

Cured Conley Adhesive products do not pose any significant health hazards related to inhalation, skin contact, eye contact or ingestion unless the article is disturbed via abrading or cutting the product.

Description of necessary first aid measures:

Eye Contact	Remove contact lenses, irrigate copiously with clean, fresh water for at least 20 minutes. Seek immediate medical attention.
Inhalation	Move to fresh air. If difficulty in breathing or respiratory irritation; seek medical attention. If breathing has stopped; seek immediate medical attention, provide artificial respiration or oxygen by trained personnel.
Skin Contact	Wash affected area thoroughly with water for at least 20 minutes. Remove contaminated clothing. If irritation develops or persists; seek medical attention.
Ingestion	Do not induce vomiting. Seek immediate medical attention. If conscious and alert give provide plenty of water. NEVER give anything by mouth to an

unconscious person. If vomiting occurs, lay on side to reduce the risk of aspiration.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Carbon Dioxide, Foam, Dry Chemical, Water spray. DO NOT use halons to extinguish fire.

Specific Hazards Arising
From the Chemical

Vapors may form explosive mixtures with air. On combustion, may emit toxic fumes of carbon dioxide, Vapors may travel considerable distance to a source of ignition and flash back.

Special Protective Actions
For Fire-Fighters

Fire-Fighters should wear full appropriate protective equipment and self-contained breathing apparatus (SCBA) and turnout gear. Consider the hazard of other involved materials. Extremely flammable liquid and vapor.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective
Equipment & Emergency Procedures

Ventilate closed areas before entering. Wear appropriate personal protective equipment (PPE) and clothing to reduce or eliminate contact. Do not breathe fumes/vapors. Avoid contact with skin & eyes. Remove all sources of ignition in the event of a spill. Use only non-sparking tools during cleanup and place discarded material into a suitable container.

Environmental Precautions

Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil.

Methods & Materials for
Containment & Clean Up

Ensure adequate ventilation. Use only non-sparking tools during clean up. Spilled material can be covered with an inert absorbent (e.g./ vermiculite) to assist removal. Dispose contaminated materials as waste according to Section 13

SECTION 7: HANDLING & STORAGE

Precautions for Safe Handling Use in well ventilated area. Avoid contact with skin and eyes and inhalation of vapors. Avoid sources of ignition. DO NOT smoke while using product. Thoroughly wash exposed skin after working with this product.

Conditions for Safe Storage Store away from foodstuffs. Store in a cool location and away from ignition sources or direct sunlight. Material is flammable: Keep away from heat, sparks and open flames. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Name	Exposure Limits (8hrs TWA)
2-butanone (CAS: 78-93-3)	590 mg/m ³ 200 ppm
Ingredient Name	Exposure Limits (8 hrs TWA)
Hydrogen peroxide (CAS: 7722-84-1)	1.4 mg/m ³ 1 ppm

Appropriate Engineering Controls Provide adequate general ventilation to control airborne concentrations to below occupational exposure limit values. Eye wash facilities must be available when handling this product.

Personal Protective Equipment Eye protection with side shields or goggles (e.g., ANSI Z87, EN166)

Skin protection such as chemical resistant gloves butyl rubber, nitrile rubber or neoprene. Also, wear appropriate chemical resistant clothing to minimize or eliminate skin contact.

General protective and hygienic measures for handling chemicals should be followed. Do not eat, drink, smoke or sniff while working. Do not inhale gases/fumes. Avoid contact with the eyes and skin. Clean skin thoroughly immediately after handling the product. Ensure that washing facilities are available at the work place. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Breathing equipment is not necessary if room is well-ventilated. If ventilation is insufficient to keep airborne concentrations below the

occupation exposure limit levels use full or half-mask respirator fitted with organic vapor cartridges. Filter masks may be of limited use in cases of high or unknown exposure.

Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red liquid
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Slight
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density (air = 1)	No data available
pH	No data available
Relative Density	No data available
Melting Point/Freezing Point	No data available
Solubility	Partially soluble
Initial Boiling Point and Boiling Range	No data available
Flash Point	94 C / 201 F
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Partition Coefficient: n-otanol/water	No data available
Auto-Ignition Temperature	No data available
Viscosity	No data available
Oxidizing	No data available

10: STABILITY AND REACTIVITY

Reactivity	Stable & non-reactive under normal conditions of use, storage and transport
Chemical Stability	The product is stable
Possible Hazardous Reactions	Hazardous polymerization will not occur
Conditions to Avoid	Excessive heat, sparks, open flames
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	None are known

11: TOXICOLOGICAL EFFECTS

Acute Toxicity	Dermal / Rabbit / > 8000mg/kg Inhalation / Mouse / 11000 ppm, 45 minutes Inhalation / Rat / 11700 ppm, 4 Hours Oral / Mouse / 670 mg/kg Oral / Rat / 2300-3500mg/kg
Skin Corrosion/Irritation	Causes skin burns and eye damage

Serious Eye Damage/Irritation	Serious eye damage
Respiratory or Skin Sensitization	Not a respiratory sensitizer. Not applicable
Germ Cell Mutagenicity	No data available
Carcinogenicity	Not applicable
Reproductive Toxicity	Suspected of damaging fertility or the unborn child
STOT-Single Exposure	Not classified
STOT-Repeated Exposures	Not applicable
Aspiration Hazards	Not applicable

12: ECOLOGICAL INFORMATION

Aquatic toxicity: This product is not classified as an environmentally hazard. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment

13: DISPOSAL CONSIDERATIONS

This product should not be allowed to enter drains, water courses, or the soil; Dispose of container and unused contents in accordance with federal, state and local requirements. Empty containers may contain hazardous residue and must be disposed according to federal, state and local requirements.

14: TRANSPORTATION INFORMATION

DOT

UN/ID no. : UN3105
 Proper shipping name : Organic peroxide type D, Liquid
 Class or Division : 5.2
 Packing Group : Not assigned by regulation
 Label(s) : Organic Peroxide
 ERG Code : 145
 Marine Pollutant : No

IATA

UN/ID no. : UN3105
 Proper shipping name : Organic peroxide type D, liquid
 Class or Division : 5.2
 Packing Group : Not assigned by regulation
 Label(s) : Organic peroxide
 Packing instruction (cargo aircraft): Organic Peroxides 570
 Packing instruction (passenger aircraft): Organic Peroxides 570

IMDG

UN/ID no. : UN3105
Proper shipping name : Organic peroxide type D, Liquid
Class or Division : 5.2
Packing Group : Not assigned by regulation
Label(s) : Organic peroxide
EmS Code : F-J, S-R
Marine Pollutant : No

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.**

15: REGULATORY INFORMATION**International Inventories**

TSCA - United States Toxic Substances Control Act Section 8(b)
Inventory All components are listed or exempt from listing.

DSL - Canadian Domestic Substances List All components are listed or exempt from listing

US Federal Regulations**SARA 311/312 Hazard Categories**

Acute health hazard Yes

Chronic Health Hazard Yes

Fire hazard No

Sudden release of pressure hazard No

Reactive Hazard Yes

US California Safe Drinking Water & Toxic Enforcement Act (Proposition 65):
This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other harm.

16: OTHER INFORMATION

Legend to abbreviation and acronyms used

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This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.