

Safety Data Sheet

ES91

Date Issued: February 15, 2023

Revision No: a

Supersedes Date: New

Section 1. Product Description

1.1 Product Name: EverStrong ES91 Adhesive

1.2 Recommended Use: Industrial adhesive applications

1.3 Manufacturer: and address: NewStar Adhesives Inc
66 Gilreath Rd SE
Cartersville, GA 30121

Information Contact: PH 866-735-9876 FX 770-607-3637

Emergency Contact: 800-424-9300 (CHEMTREC- Transportation Spill Response 24 hours)

Section 2. Hazard Identification

2.1 Hazard Classification

Flammable Liquid: Category 1

Serious Eye Damage/Irritation: Category 2A

Skin Corrosion/Irritation: Category 2

Simple Asphyxiant

Specific Target Organ Toxicity (single exposure): Category 3

2.2.1 Label elements

Signal Word: Danger

DANGER

Symbols



Hazard Statements:

Extremely flammable liquid and vapor.

Causes serious eye irritation.

Causes skin irritation.

May cause drowsiness or dizziness.

May displace oxygen and cause rapid suffocation.

Causes damage of organs: Cardiovascular system.

PRECAUTIONARY STATEMENTS:

Prevention:

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces – No smoking.
- Ground/bond container and receiving equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Keep containers tightly closed.
- Use explosion proof electrical/ventilating/lighting equipment.
- Do not breathe dust/fumes/gas/vapor/mist/spray.
- Use only outdoors or in well ventilated areas.
- Wear protective clothing and eye/face protection.
- Do not eat, drink, or smoke when using this product.
- Wash thoroughly after handling.

Response

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

IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water and shower. If irritation persists, seek medical attention. Continue to rinse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.

STORAGE

- Protect from sunlight.
- Keep cool.
- Keep container tightly closed.
- Store locked up in a well-ventilated place.

DISPOSAL

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3. Composition/ Information on Ingredients

Chemical Name	C.A.S. Number	%
Methyl Acetate	79-20-9	20 – 30 %
Heptane	142-82-5	10 - 20 %
Dimethyl Ether	115-10-6	15 - 25 %
Isobutane	75-28-5	10 – 20 %
Propane	74-98-6	10 – 20 %

Section 4. First Aid Measures

Skin Contact: Wash with plenty of water. Wash contaminated clothing after use.

Inhalation: Remove person to fresh air and keep comfortable for breathing. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical assistance. If breathing has stopped, give artificial respiration.

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Ingestion: Rinse mouth. If you feel unwell get medical advice/attention.

Section 5. Firefighting Procedures

Extinguishing Media: Use water spray, dry chemical, CO₂, or appropriate foam.

In case of fire, use a firefighting agent for flammable liquid.

Hazardous decomposition or by product: Aldehydes, hydrocarbons, carbon monoxide and carbon dioxide, ketones, oxides of nitrogen, sulfur and other toxic vapor, gas, and particulate.

Special protective actions for fire-fighters: Keep containers cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, bunker coat and pants, face mask, and protective covering for exposed area of head.

Section 6. Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapors can accumulate in low areas.

Environmental Precautions: Prevent further leakage or spillage if safe to do so.

Clean-Up: Cover with commercially available nonflammable inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Collect waste and dispose of in accordance with all applicable local/state/federal regulations.

SECTION 7. Handling and Storage

Handling: Avoid breathing vapors. Use personal protection equipment as required. In case of inadequate ventilation wear respiratory protection. Do not eat, drink, or smoke when using this product. Wash contaminated clothing and skin after use.

Storage: Store in a well-ventilated space. Protect from direct sunlight.

SECTION 8. Protection Information

Hazardous Component	Authority	Type	Limit
Methyl Acetate	ACGIH	TWA	200 ppm
Methyl Acetate	ACGIG	STEL	250 ppm
Methyl Acetate	OSHA	TWA	200 ppm
Methyl Acetate	OSHA	STEL	250 ppm
Heptane	ACGIH	TWA	400 ppm
Heptane	ACGIH	STEL	500 ppm
Heptane	OSHA	TWA	400 ppm
Acetone	ACGIH	TWA	750 ppm
Acetone	NIOSH	TWA	250 ppm
Dimethyl Ether	CMRG	TWA	1000 ppm
Propane	OSHA	TWA	1000 ppm
Isobutane	OSHA	TWA	1000 ppm

SOURCES OF EXPOSURE LIMIT DATA:

ACGIH: American Conference of Governmental Industrial Hygienists

IARC: International Agency for the Research on Cancer

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

WEEL: Workplace Environmental Exposure Level

Control Parameters

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment (PPE):

Eyes/Face: Safety goggles or safety glasses with side shields.

Skin: Protective gloves such as Viton, PVA or equivalent and impervious clothing.

Respiratory: In operations where exposure limits are exceeded, use a NIOSH approved respirator suitable for the specific work conditions.

Hygiene: Avoid contact with skin, eyes, and clothing. Wash promptly with soap and water if skin is contaminated. Remove and wash contaminated clothing. Do not eat, drink, or smoke when using.

SECTION 9. Physical Data

Odor, Color: Organic solvent odor, clear or red in color

Boiling point: -44° F

Vapor Pressure: Not Determined

Vapor Density: Not Determined

Specific Gravity: .70 – .80 g/cc

Solubility in Water: Negligible

Volatile Organic Compounds: 60 – 70 % by weight

Volatile Organic Compounds: 430 – 440 g/L

Flash Point: -156° F (-104 ° C)

LEL: 1.8 % by volume

UEL: 18.0 % by volume

SECTION 10. Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Avoid high temperatures.

Incompatible Materials: None known.

Hazardous Polymerization: Will not occur.

Hazardous By-Products: Combustion may result in formation of aldehydes, hydrocarbons, carbon monoxide and carbon dioxide.

SECTION 11. Toxicological Information

Typical Routes of Entry: Inhalation, skin absorption, eye contact

Aspiration Hazard: No data

Acute toxicity: No data

Irritation: No data

Corrosivity: No data

Sensitization: No data

SECTION 12. Ecological Data

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.

SECTION 13. Disposal Considerations

Waste Disposal Method:

Dispose of in accordance with all applicable local/regional/national/international/state/federal regulations.

SECTION 14. Transportation Information

DOT Proper Shipping Name:

Aerosols – Domestic
Aerosol Cans, Limited Quantity

Aerosols – Air and Ocean
UN1950, Aerosols, Flammable, 2.1

Canisters - Chemicals Under Pressure, Flammable, N.O.S., (Dimethyl Ether, Heptane)
Hazard Class: 2.1
UN #: UN3501
Packing Group: None
Label: DOT Red Diamond 2

SECTION 15. Regulatory Information

311/312 Hazard Categories:

Fire Hazard – Yes

Pressure Hazard – Yes

Reactivity Hazard – No

Immediate Hazard – Yes

Delayed Hazard – Yes

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: None known.

HMS Hazard Rating – NFPA Hazard classification

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Health: 2

Flammability: 3

Reactivity: 0

Special Hazard: None

SECTION 16. Other Information

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