

# Safety Data Sheet

## ES10 PLUS Aerosol

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### Section 1. Product Description

1.1 Product Name: EverStrong ES10 Plus Aerosol

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

Classification in accordance

2.1 Hazard Classification

Flammable Liquid: Category 1

Serious Eye Damage/Irritation: Category 2A

Skin Corrosion/Irritation: Category 2

Carcinogenicity: Category 2A

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	40 - 50 %
Cyclohexane	110-82-7	< 5 %
Dimethyl Ether	113-10-6	15-25 %
Propane	75-28-5	10 – 20 %
Isobutane	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, CO<sub>2</sub>, 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**

<b>Hazardous Component</b>	<b>Authority</b>	<b>Type</b>	<b>Limit</b>
Methyl Acetate	OSHA	TWA	200 ppm
Methyl Acetate	ACGIH	TWA	250 ppm
Cyclohexane	ACGIH	TWA	100 ppm
Cyclohexane	OSHA	TWA	300 ppm
Cyclohexane	NIOSH	TWA	300 ppm
Dimethyl Ether	ACGIH	TWA	1000 ppm
Propane	OSHA	TWA	1000 ppm
Isobutane	ACGIH	TWA	1000 ppm

### **SOURCES OF EXPOSURE LIMIT DATA:**

**ACGIH:** American Conference of Governmental Industrial Hygienists

**CMRG:** Chemical Manufacturer Recommended Guideline

**EPA:** Environmental Protection Agency

**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 becomes contaminated. Remove and wash contaminated clothing after use. 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:** .75 - .85 g/cc

**Solubility in Water:** Negligible

**Volatile Organic Compounds:** 35 – 45 % by weight

**Volatile Organic Compounds:** 300 – 310 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.

## **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

## **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.

HMIS 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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