Safety Data Sheet

ES 10 ET

Section 1. Product and company identification

1.1 Product Identification
Product Name: EverStrong ES 10 ET

1.2 Relevant Identified uses of the substance or mixture and uses advised against
Recommended Use: contact adhesive

1.3 Details of the supplier of the safety data sheet
Manufacturer: NewStar Adhesives Inc, 31 Silver Hill Road, Weston, MA 02493
Information Contact: PH 855-497-0700 FX 770-607-3637
www.newstaradhesives.com

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

Section 2. Hazard Identification

Classification in accordance with OSHA Standard 29CFR 1910.1200

2.1 Classification of the substance or mixture
GHS classification
Gas Under Pressure: Liquefied gas.
Serious Eye Damage/Irritation: Category 2B.
Skin irritation: Category 2
Simple Asphyxiant.
Specific Target Organ Toxicity (single exposure): Category 3.

2.2 Label Elements

Pictogram

Signal Word: DANGER

Hazard Statements:
H224: Extremely flammable liquid and vapour.
H280: Contains gas under pressure; may explode if heated.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:

Prevention:
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash hands, forearms, and other exposed areas thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove 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 minuts. Remove contact lenses, if present and easy to do
P308+P313: IF exposed or concerned: Get medical advice/attention.
P321: Specific treatment (see section 4).
P331: Do NOT induce vomiting.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P370+P378: In case of fire: Use appropriate media to extinguish.

Storage
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

Disposal
P501: Dispose of contents/container according to local, regional, national, and international regulations.

2.3 Other Hazards
None

Section 3. Composition/ Information on Ingredients

3.1 Substance
Not applicable, mixture

3.2 Mixture

Chemical Name	C.A.S. Number	WT %
Methyl Acetate	79-29-9	60-70%
Heptane	142-82-5	0-10%
PCBTF	98-56-6	0-10%
Nitrogen		0-5%

Section 4. First Aid Measures

4.1 Description of 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. Get medical attention

Ingestion: Immediately call a POISON CENTER or doctor/physician if you feel unwell. If exposed or if you feel unwell get medical advice/attention.

4.2 Most important effects, both accute and delayed
No additional information available

4.3 Indication of immediate medical attention and special treatment needed
No additional information available

Section 5. Firefighting Procedures

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

5.2 Special hazards arising from the substance or mixture
Closed containers exposed to heat from fire may build pressure and burst or explode.

5.3 Advice for firefighters

Firefighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self contained breathing apparatus

Fire and/or Explosion Hazards: Vapors may travel back to ignition source. Containers exposed to heat may burst or explode. Liquid and vapors are extremely flammable. Use water spray to cool unopened containers.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide.

Section 6. Accidental Release Measures

6.1 Personal Precautions, protective equipment and emergency procedures
Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Contain spill. Cover spill area with a fire-extinguishing foam. An appropriate aqueous film forming foam (AFFF) is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible.

SECTION 7. Handling and Storage

7.1. Precautions for safe handling
For industrial or professional use only. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only nonsparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidizing agents (eg. chromic acid etc.) Wear low static or properly grounded shoes. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

7.2. Conditions for safe storage including any incompatibilities

SECTION 8. Protection Information

8.1 Control Parameters

Occupational Exposure Limits

Methyl Acetate	79-20-9	ACGIH	TWA	200ppm
		ACGIH	STEL	250 ppm
		NIOSH-REL	TWA	200 ppm
		NIOSH REL	ST	250 ppm
		OSHA Z1	TWA	200 ppm
		OSHA PO	TWA	200 ppm
		OSHA PO	STEL	250 ppm
Heptane	142-82-5	ACGIH	TWA	400 ppm
		ACGIH	STEL	500 ppm
PCBTF	98-56-6	ACGIH	None established	
		OSHA	None established	
		CEL	TWA	25ppm

SOURCES OF EXPOSURE LIMIT DATA:
ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)
CMRG: Chemical Manufacturer Recommended Guideline
CEL: Corporate Exposure Limits

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

8.2 Exposure Controls

8.2.1 EngineeringControls: Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray especially in confined areas. If ventilation is not adequate, use respiratory protection equipment.

8.2.2 Personal Protective Equipment (PPE):

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

Skin: Protective gloves such as Viton, PVA or equivalent 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
Odor Threshold: Not available
Boiling point: 132-137 degrees F (55.8-58.2 degees C)
Freezing point: Not available
pH: Not applicable
Vapor Pressure Not Determined
Vapor Density Not Determined
Evaporation Rate: Not Determined
Specific Gravity .84-92 g/cc
Solubility in Water: Negligible
Solubility: non-water No Data Available
Partition coefficient: n-octanol/ water No Data Available
Autoignition temperature: No Data Available
Decomposition temperature: Not Applicable
Viscosity: No Data Available
Volatile Organic Compounds: <0-10% by weight; <80 g/L
Flash Point – 8.6 degrees F (-13 degrees C)
Flammability LEL – 1
Flammability UEL – 7

SECTION 10. Stability and Reactivity

10.1 Reactivity:

No Data Available

10.2 Chemical Stability:
Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid
Heat Sparks and/or flames

10.5. Incompatible materials
Strong oxidizing agents

10.6. Hazardous decomposition products

None known. Combustion may result in formation of aldehydes, hydrocarbons, carbon monoxide and carbon dioxide.

SECTION 11. Toxicological Information

11.1 Toxicological information on ingredients
Acute Toxicity

Methyl Acetate	79-20-9	ingestion	LD50	Rat	6482 mg/Kg
		inhalation	LC50	Rat	49 mg/L
		dermal	LD50	Rat	>2000 mg/Kg
Heptane	142-82-5	ingestion	LD50	Rat	>5000 mg/Kg
		inhalation	LC50	Rat	>73.5 mg/L
		dermal	LD50	Rat	>2000 mg/Kg
PCBTF	98-56-6	ingestion	LD50	Rat	6800 mg/Kg
		inhalation	LC50	Rat	4479 mg/L
		dermal	LD50	Rat	>2700 mg/Kg

Skin Corrosion/Irritation

Methyl Acetate	79-20-9	May be irritating to skin
Heptane	142-82-5	Irritating to skin

Serious Eye Damage/Irritation

Methyl Acetate	79-20-9	Severe eye irritation

Skin Sensitization
none

Germ Cell Mutagenicity
none

Carcinogenicity
none

Reproductive Toxicity
no data available

Specific Target Organ Toxicity-single exposure

Methyl Acetate	Central Nervous System	May cause drowsiness or dizziness. Classified as a specific target organ toxicant, single exposure, category 3
Heptane	Central Nervous System	May cause drowsiness or dizziness. Classified as a specific target organ toxicant, single exposure, category 3
PCBTF	No Data Available	

Specific Target Organ Toxicity-multiple exposure
No Data Available

Aspiration Hazard
None

Additional Health Effects
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above TLV value may cause narcotic effects. Solvents may degrease skin.

SECTION 12. Ecological Data

12.1 Ecological Information

Ecological information on ingredients

Ecotoxicity

Methyl Acetate	79-20-9	fish	LC50 (Danio rerio (zebra fish)) >=250 mg/L
		daphnia	EC50 1027 mg/L
		algae	EC50 >120 mg/L
Heptane	142-82-5	fish	LC50 (Carassius auratus(goldfish)) 4 mg/L
		daphnia	EC50 1.5mg/L
		algae	EC50 3.7 mg/L

Persistence and Degradability
Readily biodegradable

Bioaccumulation Potential
No Information Available

SECTION 13. Disposal Considerations

13.1. Disposal methods
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

SECTION 14. Transportation Information

IATA (International Air Transport Association:
UN 3501, Chemicals Under Pressure, Flammable, NOS (Methyl Acetate, Nitrogen),Flammable Hazard Class 2.1,Flammable Red Diamond 2

IMDG (International Maritime Dangerous Goods):
UN 3501, Chemicals Under Pressure, Flammable, NOS (Methyl Acetate, Nitrogen),Flammable Hazard Class 2.1,Flammable Red Diamond 2

DOT (US Department of Transportation) Ground Only:
UN 3501, Chemicals Under Pressure, Flammable, NOS (Methyl Acetate, Nitrogen),Flammable Hazard Class 2.1,Flammable Red Diamond 2

SECTION 15. Regulatory Information

EPCRA - Emergency Planning and Community Right to Know Act

CERCLA Reportable Quantity

Component	CAS number	RQ	WT %
None			

SARA 304 Extremely Hazardous Substance Reportable Quantity
None

SARA 311/312 Hazard Categories:
Fire Hazard – Yes;
Acute Health Hazard – Yes
Chronic Health Hazard – Yes
Pressure Hazard- Yes
Reactivity Hazard – No;

SARA 302
None

SARA 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

Component	CAS number	WT %

CALIFORNIA PROPOSITION 65
none

US-TSCA:
The components of this product are in compliance with the chemical notification requirements of TSCA.

WHMIS:
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

SECTION 16. Other Information

NFPA Hazard Rating
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme
Health: 2
Flammability: 4
Reactivity: 0
Special Hazard: None

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SDS Issue Date: March 28, 2017
Supersedes: New