Safety Data Sheet

ES20 Aerosol and Canister

Section 1. Product Description

Product Name: **EverStrong ES20 Contact Adhesive – Aerosol and Canister**
Recommended Use: **Industrial adhesive applications**
Manufacturer: **NewStar Adhesives Inc, 31 Silver Hill Road, Weston, MA 02493**
Information Contact: **PH 855-497-0700 FX 770-607-3637**
Emergency Contact: **800-424-9300 (CHEMTREC- Transportation Spill Response 24 hours)**

Section 2. Hazard Identification

Classification in accordance with OSHA Standard 29CFR 1910.1200

DANGER

Highly flammable liquid and vapor. Pressurized Container: May burst if heated. Causes serious eye irritation. May cause respiratory irritation, drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. Causes skin irritation.

GHS Classification:
Flammable Gas (Category 1)
Eye Irritation (Category 2)
Skin Irritation (Category 2)
Specific target organ toxicity (Category 3)
Aspiration hazard (Category 1)

PRECAUTIONARY STATEMENTS:

1. Keep away from heat sparks/open flames/hot surfaces--No Smoking.
2. Avoid breathing dust/fumes/gas/mist/vapors/spray.
3. Wash thoroughly after handling.
4. Use only outdoors or in well ventilated areas.
5. Wear protective gloves/protective clothing/eye protection.
6. If swallowed, immediately call Poison Center or doctor/physician.
7. Do Not Induce Vomiting.
8. If on skin, wash with plenty of soap and water.
9. If inhaled call Poison Center or doctor/physician if you feel unwell.
10. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.
11. Take off contaminated clothing before reuse.
12. Store in a well ventilated place.
13. Protect from sunlight.
14. In case of fire, use dry chemicals, CO2 or appropriate foam.
15. Dispose of contents/containers in accordance with local/regional/national/international regulation.

Section 3. Composition/ Information on Ingredients

Chemical Name	C.A.S. Number	%
Dimethyl Ether	115-10-6	15-25%
Acetone	67-64-1	10-20%
Heptane	142-82-5	10-20%
Methyl Acetate	79-20-9	10-20%
Isobutane	74-98-6	5-15%
Propane	78-28-5	5-15%

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

Section 5. Firefighting Procedures

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

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 explode.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide.

Further Information: Containers exposed to high heat from fire or other sources may build pressure and explode. Liquid and vapors are extremely flammable. Use water spray to cool unopened containers.

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. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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

Methods for 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 and federal regulations.

SECTION 7. Handling and Storage

Handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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. Do not expose to temperatures exceeding 50°C/122°F.

SECTION 8. Protection Information

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

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
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 ide 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 degrees F (-42 degees C)
Vapor Pressure Not Determined
Vapor Density Not Determined
Specific Gravity .71-.77 g/cc
Solubility in Water: Negligible
Volatile Organic Compounds: <55% by weight
Flash Point – -156 degrees F (-104 degrees C)
LEL – 1.8
UEL – 18

SECTION 10. Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Keep away from open flames, hot surfaces, static electricity and sources of ignition.

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**

Reproductive toxicity: No data
Mutagenicity: No data
STOT-single exposure: No data
STOT-repeat exposure: No data
Aspiration Hazard: No data

Acute Toxicity: No data
Irritation: No data
Corrosivity: No data
Sensitisation: No data

Chronic Toxicity/ Carcinogenicity:
There is no data indicating this mixture contains any chemicals which can cause cancer.

SECTION 12. Ecological Data

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

Mobility: No data

Persistence: No data

SECTION 13. Disposal Considerations

Waste Disposal Method:
Dispose of only by a permitted hazardous waste TSD facility in accordance with all local, state and federal regulations.

SECTION 14. Transportation Information

REGULATION	DESCRIPTION
DOT	
Proper Shipping Name	Liquified Gas, Flammable, N.O.S.(Contains Dimethyl Ether, Heptane)
Hazard Class	2.1
UN #	UN3161
Packing Group	None
Label	DOT Flammable Gas 2 red diamond

SECTION 15. Regulatory Information

311/312 Hazard Categories:
Fire Hazard – Yes;
Pressure Hazard – Yes;
Reactivity Hazard – No;
Immediate Hazard – Yes;
Delayed Hazard – Yes

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

Ingredient	C.A.S. Number	% by Wt.
None		

STATE REGULATIONS:
CALIFORNIA PROPOSITION 65

Ingredient	C.A.S. Number	Classification
None		

US-TSCA:
All hazardous components are on TSCA.

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

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

SECTION 16. Other Information

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