



e*thirteen
TIRE
PLASMA
MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Product Identifier:

Trade Name: E13 Super Sealant

Manufacturer:

The Hive USA
1445 Technology Lane, Suite A9
Petaluma, CA 94954, USA

The Hive Europe
Klosterstrasse 6
83278 Traunstein, Germany

The Hive Taiwan
No 30 Daren Street
West District, Taichung 40354

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

This product is not classified according to the Globally Harmonized System (GHS)

Label elements:

GHS label elements: Void

Hazard pictograms: Void

Signal word: Void

NFPA ratings: (scale 0-4)

Health =1
Fire =0
Reactivity =0

HMIS ratings: (scale 0-4)

Health =1
Fire =0
Reactivity =0

3. COMPOSITION/INFORMATION OF INGREDIENTS

Chemical characterization: Mixtures

Description: Acrylic Polymer emulsion

Dangerous Components: No hazardous/reportable components

7732-18-5: *Water, distilled, conductivity or of similar purity: 70-80%*

4. FIRST AID MEASURES

Description of first aid measures:

After inhalation: Supply fresh air or oxygen; call for a doctor

After skin contact: Immediately wash affected area with water and soap and rinse thoroughly

After eye contact: Rinse opened eye for several minutes under running water

After swallowing: Seek medical attention

Information for Doctor:

Most important symptoms and effects, both acute and delayed:

No further relevant information available

Indication of any immediate medical attentions and special treatment needed:

No further relevant information available

5. FIREFIGHTING MEASURES

Extinguishing media:

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

Use fire-fighting measures that suit environment.

Special hazards arising from the substance or mixture: No further relevant information available.

Protective equipment: Protective clothing and respiratory protective devices.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental precautions: No special measures needed.

Method and material for containment and clean up:

Absorb with liquid binding material (sand, diatomite, sawdust etc).

Dispose of contaminated material as waste in accordance with federal, state, and local regulations. Ensure adequate ventilation.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

Handling:

Avoid prolonged contact with the skin.

Avoid contact with eyes.

Wash thoroughly after handling.

Prevent formation of aerosols.

Storage:

Store above 40F

Protect product from freezing

Keep receptacle tightly sealed

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about the design of technical systems:

No further relevant information available.

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists that were valid at the time of creation were used as basis.

Exposure Controls: Personal protective equipment (see listings below).

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:

Not necessary if the room is well ventilated.

Protection of hands:

Protective gloves. The glove material should be impermeable and resistant to the product.

Material of gloves:

Nitrile rubber, NBR; chloroprene rubber, CR. The selection of suitable gloves depends on the quality of the manufacturer.

Eye protection:

Safety glasses with side shields.

Body protection:

Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

<i>Form:</i>	Liquid
<i>Color:</i>	White
<i>Odor:</i>	Characteristic latex paint odor
<i>Odor Threshold:</i>	Not determined

pH value at 20C: 5-8

Change in condition:

<i>Melting point :</i>	Undetermined
<i>Boiling point:</i>	100C
<i>Flash Point:</i>	Not applicable
<i>Flammability:</i>	Not applicable
<i>Decomposition Temp:</i>	Not determined
<i>Auto igniting:</i>	The product is not self igniting
<i>Danger of Explosion:</i>	Product does not present an explosion hazard

Flammability limits:

<i>Lower:</i>	Not determined
<i>Upper:</i>	Not determined

Vapor pressure at 20C: 23 hPa (17 mm Hg)

Specific gravity at 20C: 1.17 g/cm³ (9.72 lbs/gal)

Solubility in water: Miscible

Solvent content:

<i>Organic solvents:</i>	<1%
<i>Water:</i>	>70%

VOC (per EPA 24): not available

Solids content: 15-25%

10. STABILITY AND REACTIVITY

Reactivity:

Chemical stability:

Thermal Decomposition/conditions to be avoided: No decomposition if used according to specifications

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products:

- Carbon monoxide and carbon dioxide
- Nitrogen oxides
- Hydrocarbons

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effects:

- On the skin: may irritate the skin
- On the eye: may irritate the eye
- Sensitization: No sensitizing effects known

Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations when used according to specifications

IARC (International Agency for Research on Cancer)

50-00-0	formaldehyde	possible trace quantities
140-88-5	ethyl acrylate	possible trace quantities
141-32-2	n-butyl acrylate	possible trace quantities
107-13-1	acrylonitrile	possible trace quantities

NTP (National Toxicology Program)

50-00-0	formaldehyde	possible trace quantities
140-88-5	ethyl acrylate	possible trace quantities
107-13-1	acrylonitrile	possible trace quantities

12. ECOLOGICAL INFORMATION

Toxicity:

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in aquatic systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes: At present there are no ecotoxicological assessments.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Recommendations:

Must not be disposed of together with household garbage. Do not allow product to reach sewer system. Must be treated adhering to local regulations.

Uncleaned packages:

Must be disposed of adhering to local regulations.

14. TRANSPORT INFORMATION

UN- number:

<i>DOT, ADR, ADN, IMDG, IATA :</i>	unregulated
<i>UN proper shipping name :</i>	unregulated
<i>Transport Hazard class:</i>	unregulated
<i>Packing Group:</i>	unregulated
<i>Environmental hazards:</i>	not applicable
<i>Special precautions of user:</i>	not applicable

15. OTHER INFORMATION

Although the information and recommendations set forth in this safety data sheet are presented in good faith and are believed to be correct as of the date of this SDS, the hive LLC makes no representations as to the completeness or accuracy thereof. Information is provided on the condition that the person receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will E13 or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.