1. Identification of the Substance/Mixture and the Company/Undertaking

1.1 Product Identifier

Product Name: PLASITE 7122 PART B
Product Identifier: 130PB1NL
Revision Date: 09/19/2016
Supercedes Date: 05/30/2015

1.2 Relevant identified uses of the substance or mixture and uses advised against

Component of multicomponent industrial coatings - Industrial use.

1.3 Details of the supplier of the safety data sheet

Manufacturer: Carboline Company
2150 Schuetz Road
St. Louis, MO USA 63146

Regulatory / Technical Information:
Contact Carboline Technical Services at 1-800-848-4645

Datasheet Produced by:
Schlereth, Ken - ehs@stoncor.com

1.4 Emergency telephone number:

CHEMTREC 1-800-424-9300 (Inside US)
CHEMTREC +1 703 5273887 (Outside US)
HEALTH - Pittsburgh Poison Control 1-412-681-6669

2. Hazard Identification

2.1 Classification of the substance or mixture

Acute Toxicity, Inhalation, category 3
Flammable Liquid, category 3
Corrosive to Metals, category 1
Skin Corrosion, category 1
Skin Sensitizer, category 1
2.2 Label elements

Symbol(s) of Product

Signal Word
Danger

Named Chemicals on Label
Amine Derivative, Epoxy Polyamine Adduct and Polyamine

GHS HAZARD STATEMENTS

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Liquid, category 3</td>
<td>H226</td>
<td>Flammable liquid and vapour.</td>
</tr>
<tr>
<td>Corrosive to Metals, category 1</td>
<td>H290</td>
<td>May be corrosive to metals.</td>
</tr>
<tr>
<td>Acute Toxicity, Oral, category 4</td>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>Acute Toxicity, Dermal, category 4</td>
<td>H312</td>
<td>Harmful in contact with skin.</td>
</tr>
<tr>
<td>Skin Corrosion, category 1</td>
<td>H314-1</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>Skin Sensitizer, category 1</td>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Acute Toxicity, Inhalation, category 3</td>
<td>H331</td>
<td>Toxic if inhaled.</td>
</tr>
</tbody>
</table>

GHS PRECAUTION PHRASES

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302 IF ON SKIN: Wash with plenty of soap and water.
- P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P333+313 If skin irritation or rash occurs: Get medical advice/attention.
- P352 Wash with plenty of soap and water.
- P390 Absorb spillage to prevent material damage.
- P403+233 Store in a well-ventilated place. Keep container tightly closed.
- P406 Store in corrosive resistant/… container with a resistant inner liner.

2.3 Other hazards
No Information

Results of PBT and vPvB assessment:
Unknown
3. Composition/Information On Ingredients

3.2 Mixtures

Hazardous Ingredients

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRADE</td>
<td>Amine Derivative</td>
<td>75-100</td>
</tr>
<tr>
<td>SECRET</td>
<td>Epoxy Polyamine Adduct and Polyamine</td>
<td>25-50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>GHS Symbols</th>
<th>GHS Hazard Statements</th>
<th>M-Factors</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRADE</td>
<td>GHS05-GHS07</td>
<td>H302-312-314-317-319</td>
<td>0</td>
</tr>
<tr>
<td>SECRET</td>
<td>GHS05-GHS07</td>
<td>H302-312-314-317-318-331</td>
<td>0</td>
</tr>
</tbody>
</table>

Additional Information: The text for GHS Hazard Statements shown above (if any) is given in Section 16.

4. First-aid Measures

4.1 Description of First Aid Measures

AFTER INHALATION: Give oxygen or artificial respiration if needed. Remove person to fresh air. If signs/symptoms continue, get medical attention.

AFTER SKIN CONTACT: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation persists, call a physician.

AFTER EYE CONTACT: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

AFTER INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, call a poison control centre or doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns. May be harmful if swallowed. Corrosive after repeated contact with skin and mucous membranes.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention is required. When symptoms persist or in all cases of doubt seek medical advice.

5. Fire-fighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible Liquid
Provide adequate ventilation. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

5.2 Special hazards arising from the substance or mixture

No Information

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Combustible material
Cool containers / tanks with water spray.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

For personal protection see section 8. Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains.
6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

Please refer to disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

7. Handling and Storage

7.1 Precautions for safe handling

INSTRUCTIONS FOR SAFE HANDLING: Keep containers dry and tightly closed to avoid moisture absorption and contamination. Prepare the working solution as given on the label(s) and/or the user instructions. Do not breathe vapours or spray mist. Ensure all equipment is electrically grounded before beginning transfer operations. Do not use sparking tools. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Use only with adequate ventilation/personal protection.

PROTECTION AND HYGIENE MEASURES: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Heat, flames and sparks.

STORAGE CONDITIONS: Keep container closed when not in use. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3 Specific end use(s)

No specific advice for end use available.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits

(US)

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH TLV-STEL</th>
<th>OSHA PEL-TWA</th>
<th>OSHA PEL-CEILING</th>
<th>OEL Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amine Derivative</td>
<td>75-100%</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td></td>
</tr>
<tr>
<td>Epoxy Polyamine Adduct and Polyamine</td>
<td>25-50%</td>
<td>1 PPM</td>
<td>N/E</td>
<td>4 MGM3</td>
<td>N/E</td>
<td></td>
</tr>
</tbody>
</table>

FURTHER INFORMATION: Refer to the regulatory exposure limits for the workforce enforced in each country.

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Use only with ventilation to keep levels below exposure guidelines reported in this document. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use State or federally approved supplied air respirator. For silica containing coatings in a liquid state, and/or if no exposure limits are established above, air-supplied respirators are generally not required.

EYE PROTECTION: Safety glasses with side-shields.

HAND PROTECTION: Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Impervious gloves. Request information on glove permeation properties from the glove supplier.

OTHER PROTECTIVE EQUIPMENT: Ensure that eyewash stations and safety showers are close to the workstation location. Lightweight protective clothing

ENGINEERING CONTROLS: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.
9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Liquid</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Ammoniacal</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>N/D</td>
</tr>
<tr>
<td>pH</td>
<td>N/D</td>
</tr>
<tr>
<td>Melting point / freezing point (°C)</td>
<td>N/D</td>
</tr>
<tr>
<td>Boiling point/range (°C)</td>
<td>390 F (199 C) - 404 F (207 C)</td>
</tr>
<tr>
<td>Flash Point, (°C)</td>
<td>59</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Slower Than Ether</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>N/A - N/A</td>
</tr>
<tr>
<td>Vapour Pressure, mmHg</td>
<td>N/D</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Heavier than Air</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility in / Miscibility with water</td>
<td>N/D</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto-ignition temperature (°C)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition temperature (°C)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Unknown</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not determined</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

9.2 Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC Content g/l</td>
<td>Refer to Part A</td>
</tr>
<tr>
<td>Specific Gravity (g/cm3)</td>
<td>0.95</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Strong oxidizing agents.
10.6 Hazardous decomposition products
Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity:

Oral LD50: N/D
Inhalation LC50: N/D

Irritation: Unknown
Corrosivity: Unknown
Sensitization: Unknown
Repeated dose toxicity: Unknown
Carcinogenicity: Unknown
Mutagenicity: Unknown
Toxicity for reproduction: Unknown

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.

Data on individual components are tabulated below:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRADE</td>
<td>Amine Derivative</td>
<td>Not Available</td>
<td></td>
<td>Not Available</td>
</tr>
<tr>
<td>SECRET</td>
<td>Epoxy Polyamine Adduct and Polyamine</td>
<td>1080 mg/kg, oral, rat</td>
<td>10 mg/L / 1 hour, inh, rat</td>
<td></td>
</tr>
</tbody>
</table>

Additional Information:
Causes burns. May be harmful if swallowed. Corrosive after repeated contact with skin and mucous membranes.

12. Ecological Information

12.1 Toxicity:

EC50 48hr (Daphnia): Unknown
IC50 72hr (Algae): Unknown
LC50 96hr (fish): Unknown

12.2 Persistence and degradability: Unknown

12.3 Bioaccumulative potential: Unknown

12.4 Mobility in soil: Unknown

12.5 Results of PBT and vPvB assessment: Unknown
12.6 Other adverse effects: Unknown

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>EC50 48hr</th>
<th>IC50 72hr</th>
<th>LC50 96hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRADE</td>
<td>Amine Derivative</td>
<td>No information</td>
<td>No information</td>
<td>No information</td>
</tr>
<tr>
<td>SECRET</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TRADE</td>
<td>Epoxy Polyamine Adduct and Polyamine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SECRET</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

13. Disposal Considerations

13.1 WASTE TREATMENT METHODS: Do not burn, or use a cutting torch on, the empty drum. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

14.1 UN number UN 3470

14.2 UN proper shipping name Paint, Corrosive, Flammable

14.3 Transport hazard class(es) 8

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

14.4 Packing group II

14.5 Environmental hazards Unknown

14.6 Special precautions for user Unknown

14.7 Special precautions for user EmS-No.: F-E, S-C

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation for the substance or mixture:

U.S. Federal Regulations: As follows -

CERCLA - Sara Hazard Category

This product has been reviewed according to the EPA ‘Hazard Categories’ promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

- Fire Hazard, Acute Health Hazard

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

Toxic Substances Control Act:

All components of this product are either listed on the TSCA Inventory or are exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.
U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

No NJ Right-To-Know components exist in this product.

Pennsylvania Right-To-Know

The following non-hazardous ingredients are present in the product at greater than 3%.

No PA Right-To-Know components exist in this product.

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

No Proposition 65 Carcinogens exist in this product.
Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

No Proposition 65 Reproductive Toxins exist in this product.

International Regulations: As follows -

* Canadian DSL:

No Information

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. Other Information

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.

Reasons for revision

No Information

The information contained herein is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.