SAFETY DATA SHEET

1. Identification

Product identifier Envirosel 5 Minute Epoxy Glue - Resin

Other means of identification

- CAS number: 25068-38-6
- Recommended use: Epoxy resin.
- Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

- Company name: Environmental Technology, Inc.
- Address: 300 S. Bay Depot Road, Fields Landing, CA 95537, USA.
- Telephone number: 001 707-443-9323
- E-mail: mail@eti-usa.com
- Contact person: Technical Director
- Emergency phone number: 800-424-9300 (CHEMTREC)

2. Hazard(s) identification

Physical hazards

Health hazards

- Skin corrosion/irritation: Category 2
- Serious eye damage/eye irritation: Category 2A
- Sensitization, skin: Category 1
- Specific target organ toxicity, single exposure: Category 3 respiratory tract irritation

Environmental hazards

- Hazardous to the aquatic environment, acute hazard: Category 2
- Hazardous to the aquatic environment, long-term hazard: Category 2

OSHA defined hazards

- Not classified.

Label elements

Signal word: Warning

Hazard statement: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention: Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area. Wear protective gloves/eye protection/face protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment.

Response: If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. 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. Take off contaminated clothing and wash before reuse. Collect spillage.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.
3. Composition/information on ingredients

Substances

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy Resins</td>
<td></td>
<td>25068-38-6</td>
<td>100</td>
</tr>
</tbody>
</table>

Composition comments

The manufacturer has claimed one or more hazardous ingredients as trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s) are given on this SDS.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if needed. Do not give mouth-to-mouth resuscitation. Call a physician if symptoms develop or persist.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

Get medical attention if symptoms occur. Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. May cause respiratory irritation. Coughing.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media

Use any media suitable for the surrounding fires.

Unsuitable extinguishing media

None known.

Specific hazards arising from the chemical

In a fire or if heated, a pressure increase will occur and the container may burst. During fire, gases hazardous to health may be formed such as: Carbon dioxide. Carbon monoxide. Halogenated compounds.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Methods and materials for containment and cleaning up

Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

7. Handling and storage

Precautions for safe handling

Wear appropriate personal protective equipment. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapor. Provide adequate ventilation. Avoid release to the environment. Do not reuse containers. Observe good industrial hygiene practices. Keep away from open flames, hot surfaces and sources of ignition.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials (see Section 10 of the SDS). Do not store this material in open or unlabeled containers. Keep away from heat, sparks and open flame. Keep in an area equipped with sprinklers.

8. Exposure controls/personal protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

- US - California OELs: Skin designation
  2,3-EPOXYPROPYL PHENYL ETHER (CAS 122-60-1) Can be absorbed through the skin.

- US ACGIH Threshold Limit Values: Skin designation
  2,3-EPOXYPROPYL PHENYL ETHER (CAS 122-60-1) Can be absorbed through the skin.

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Skin protection

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Viscous liquid.
**Physical state**  Liquid.
**Form**  Liquid.
**Color**  Clear.
**Odor**  None.
**Odor threshold**  Not available.
**pH**  Not available.
**Melting point/freezing point**  Not available.
**Initial boiling point and boiling range**  500 °F (260 °C)
**Flash point**  484.0 °F (251.1 °C) Pensky-Martens Closed Cup (ASTM D 93)
**Evaporation rate**  Not available.
**Flammability (solid, gas)**  Not applicable.

### Upper/lower flammability or explosive limits

- **Flammability limit - lower (%)**  Not available.
- **Flammability limit - upper (%)**  Not available.
- **Explosive limit - lower (%)**  Not available.
- **Explosive limit - upper (%)**  Not available.

**Vapor pressure**  0.03 mbar @ 77 °C(171 °F)
**Vapor density**  Not available.
**Relative density**  1.17

**Solubility(ies)**

- **Solubility (water)**  Negligible.
- **Partition coefficient (n-octanol/water)**  Not available.

**Auto-ignition temperature**  Not available.
**Decomposition temperature**  Not available.
**Viscosity**  Not available.

### 10. Stability and reactivity

**Reactivity**  The product is stable and non-reactive under normal conditions of use, storage and transport. Read and follow manufacturer's recommendations.

**Chemical stability**  Stable under normal temperature conditions and recommended use.

**Possibility of hazardous reactions**  No dangerous reaction known under conditions of normal use.

### Conditions to avoid

**Contact with incompatible materials. Avoid high temperatures. Direct sunlight.**

**Incompatible materials**  Strong oxidizing agents. Aliphatic amines. Reacts violently with strong acids. Reacts violently with strong bases. Avoid contact with water and liquids. Do not allow molten product to contact water or other liquids. This can cause violent reactions. Reacts with considerable heat release with some curing agents.

**Hazardous decomposition products**  No hazardous decomposition products are known.

### 11. Toxicological information

**Information on likely routes of exposure**

- **Inhalation**  May cause respiratory irritation.
- **Skin contact**  Causes skin irritation. May cause an allergic skin reaction.
- **Eye contact**  Causes serious eye irritation.

**Epoxy Resins (CAS 25068-38-6)**

- Result: 405 Acute Eye Irritation/Corrosion (Score = 0).
  - Species: Rabbit
  - Result: Mild irritant
  - Species: Rabbit
  - Result: Redness of the Conjunctivae (Score = 0.7).
  - Species: Rabbit
Ingestion
Irritating to mouth, throat, and stomach.

Symptoms related to the physical, chemical and toxicological characteristics
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. May cause respiratory irritation. Coughing.

Information on toxicological effects

Acute toxicity
May cause an allergic skin reaction.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy Resins (CAS 25068-38-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rat</td>
<td>2000 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>11400 mg/kg</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irritation Corrosion - Skin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Epoxy Resins (CAS 25068-38-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Result: 404 Acute Dermal Irritation/Corrosion (Score: 1 - 1.5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Species: Rabbit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Result: Erythema/Eschar 404 Acute Dermal Irritation/Corrosion (Score: 1.5 - 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Species: Rabbit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Result: Moderate irritant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Species: Rabbit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Duration: 24 hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Result: Severe irritant</td>
<td></td>
<td></td>
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<tr>
<td>Species: Rabbit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Duration: 24 hours</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Serious eye damage/eye irritation
Causes serious eye irritation.

| Eye Contact                      | Species | Result: 405 Acute Eye Irritation/Corrosion (Score = 0). |
|                                  |         | Species: Rabbit |
|                                  |         | Result: Mild irritant |
|                                  |         | Species: Rabbit |
|                                  |         | Result: Redness of the Conjunctivae (Score = 0.7). |
|                                  |         | Species: Rabbit |

Respiratory or skin sensitization

ACGIH sensitization

PHENYL GLYCIDYL ETHER (PGE) (CAS 122-60-1) Dermal sensitization

Respiratory sensitization
Not a respiratory sensitizer.

Skin sensitization
May cause an allergic skin reaction.

Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity
2,3-EPOXYPROPYL PHENYL ETHER (CAS 122-60-1) 2B Possibly carcinogenic to humans.

NTP Report on Carcinogens
Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not regulated.

Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure
May cause respiratory irritation.

Specific target organ toxicity - repeated exposure
Not classified.

Aspiration hazard
Not an aspiration hazard.
12. Ecological information

Ecotoxicity

Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the environment.

<table>
<thead>
<tr>
<th>Product</th>
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<th>Test Results</th>
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</thead>
<tbody>
<tr>
<td>Epoxy Resins (CAS 25068-38-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>LC50</td>
<td>Algae</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea</td>
</tr>
<tr>
<td>NOEC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish</td>
</tr>
</tbody>
</table>

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

Potential to bioaccumulate is low.

Log Pow = 2.64 - 3.78

Mobility in soil

No data available.

Other adverse effects

None known.

13. Disposal considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number                                | UN3082 |
UN proper shipping name                  | Environmentally hazardous substances, liquid, n.o.s. (Liquid Epoxy Resins) |
Transport hazard class(es)               | Class 9 |
Class                                    | -      |
Subsidiary risk                          | -      |
Label(s)                                 | 9      |
Packing group                            | III    |
Environmental hazards                    | Yes    |
Marine pollutant                         |        |
Special precautions for user             | Read safety instructions, SDS and emergency procedures before handling. |
Special provisions                       | 8, 146, 335, IB3, T4, TP1, TP29 |
Packing exceptions                       | 155    |
Packing non bulk                         | 203    |
Packing bulk                             | 241    |

IATA

UN number                                | UN3082 |
UN proper shipping name                  | Environmentally hazardous substances, liquid, n.o.s. (Liquid Epoxy Resins) |
Transport hazard class(es)
Class 9
Subsidiary risk -
Label(s) 9
Packing group III

Environmental hazards
Yes
Special precautions for user
Read safety instructions, SDS and emergency procedures before handling.

IMDG
UN number UN3082
UN proper shipping name Environmentally hazardous substances, liquid, n.o.s. (Liquid Epoxy Resins)

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

General information
This material is regulated only in bulk (> 119 Gallons/450 L) sizes. Non-bulk (<=119 Gallons/450 L) shipments can be reclassified to "not regulated" for ground transportation.

15. Regulatory information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

TSCA Chemical Action Plans, Chemicals of Concern
4,4’-isopropylidenediphenol (CAS 80-05-7) Bisphenol A Action Plan

CERCLA Hazardous Substance List (40 CFR 302.4)
4,4’-isopropylidenediphenol (CAS 80-05-7) Listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
Yes

Classified hazard categories
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization
Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
4,4’-isopropylidenediphenol (CAS 80-05-7)
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Contains component(s) regulated under the Safe Drinking Water Act.
US state regulations

US. Massachusetts RTK - Substance List
2,3-EPOXYPROPYL PHENYL ETHER (CAS 122-60-1)
4,4'-isopropylidenediphenol (CAS 80-05-7)

US. New Jersey Worker and Community Right-to-Know Act
2,3-EPOXYPROPYL PHENYL ETHER (CAS 122-60-1)
4,4'-isopropylidenediphenol (CAS 80-05-7)

US. Pennsylvania Worker and Community Right-to-Know Law
2,3-EPOXYPROPYL PHENYL ETHER (CAS 122-60-1)
4,4'-isopropylidenediphenol (CAS 80-05-7)

US. Rhode Island RTK
2,3-EPOXYPROPYL PHENYL ETHER (CAS 122-60-1)

California Proposition 65

WARNING: This product can expose you to 2,3-EPOXYPROPYL PHENYL ETHER, which is known to the State of California to cause cancer, and 4,4'-isopropylidenediphenol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance
2,3-EPOXYPROPYL PHENYL ETHER Listed: October 1, 1990
(CAS 122-60-1)

California Proposition 65 - CRT: Listed date/Female reproductive toxin
4,4'-isopropylidenediphenol (CAS 80-05-7) Listed: May 11, 2015

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
2,3-EPOXYPROPYL PHENYL ETHER (CAS 122-60-1)
4,4'-isopropylidenediphenol (CAS 80-05-7)

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
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<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Taiwan</td>
<td>Taiwan Chemical Substance Inventory (TCSI)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 18-March-2015
Revision date 23-January-2019
Version # 02
HMIS® ratings Health: 2
Flammability: 1
Physical hazard: 0
Environmental Technology, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user’s responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.