Alkylate A6
Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 10/27/2015 Date of issue: 10/27/2015 Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier
Product Name: Alkylate A6
Synonyms: Alkylate A6

Intended Use of the Product
Components for surfactants, functional fluids, as well as finished product applications.

Name, Address, and Telephone of the Responsible Party
Company
Soltex Inc. (Synthetic Oils & Lubricants of Texas)
3707 FM 1960 W Ste. 560
Houston, TX 77068
(281)-587-0900
soltexinc.com

Emergency Telephone Number
Emergency Number: (800)-424-9300 (CHEMTREC); (281)-587-0900 (Other Safety Information)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture
Classification (GHS-US)
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US):

Signal Word (GHS-US): Warning
Hazard Statements (GHS-US): Causes skin and eye irritation.

Precautionary Statements (GHS-US):
Wear protective gloves. Wear eye or face protection. Wash hands thoroughly after handling. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. 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 attention.

Other Hazards
No additional information available

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Substance

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>% (w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivatives</td>
<td>(CAS No) 84961-70-6</td>
<td>60-100</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Occupational exposure limits, if available, are listed in Section 8.
SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most Important Symptoms and Effects Both Acute and Delayed

Potential acute health effects

Eye contact: Causes serious eye irritation.
Inhalation Skin contact: No known significant effects or critical hazards.
Ingestion: Causes skin irritation.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following:
Pain or irritation
Watering
Redness

Inhalation: No specific data.
Skin contact: Adverse symptoms may include the following:
Irritation
Redness

Ingestion: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: No specific treatment. Treat symptomatically. Call medical doctor or poison control center immediately if large quantities have been ingested.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)
SECTION 5: FIRE-FIGHTING MEASURES

**Flash point**

: Open cup: 154.4°C (309.9°F) [COC]

**Extinguishing media**

**Suitable extinguishing media**

: Use an extinguishing agent suitable for the surrounding fire.

**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.

**Hazardous thermal decomposition products**

: No specific data.

**Special protective actions for fire-fighters**

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters**

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders**

: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions**

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and materials for containment and cleaning up**

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling**

**Protective measures**

: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Thermal hazards: Not available.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance

- Physical state: Liquid.
- Color: Clear, colorless.
- Odor: Slight
- Odor threshold: Not available. Not available.
- pH: available. Not available.
- Melting point/Freezing point: available.
- Boiling/condensation point: 287.8 to 303.9°C (550 to 579°F)
- Flash point: Open cup: 154.4°C (309.9°F) [COC]
- Evaporation rate Flammability (solid, gas) Lower and upper explosive (flammable) limits: Not available.
- Vapor pressure: Not available.
- Vapor density: Not available.
- Relative density: 0.86
- Solubility in water: Not available.
- Partition coefficient: n-octanol/water: Not available.
- Auto-ignition temperature: Not available.
- Decomposition temperature: Not available.
- Viscosity: Kinematic (room temperature): 0.0448 cm²/s (4.48 cSt)

SECTION 10: STABILITY AND REACTIVITY

- Reactivity: No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability: The product is stable.
- Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid: No specific data.
- Incompatible materials: No specific data.
- Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Endpoint</th>
<th>Species</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>OECD 402 Acute Dermal Toxicity EU</td>
<td>LD50 Dermal</td>
<td>Rabbit - Male, Female Rat - Male, Female</td>
<td>&gt;2000 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD50 Oral</td>
<td></td>
<td>&gt;5000 mg/kg</td>
</tr>
</tbody>
</table>

10/27/2015 EN (English US) 5/11
### Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Species</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>EU</td>
<td>Rabbit</td>
<td>Skin - Mild irritant</td>
</tr>
<tr>
<td></td>
<td>EU</td>
<td>Rabbit</td>
<td>Eyes - Non-irritant</td>
</tr>
</tbody>
</table>

### Conclusion/Summary
- **Skin**: Benzene, C10-16 alkyl derivs. Slightly irritating to the skin.
- **Eyes**: Benzene, C10-16 alkyl derivs. Non-irritating to the eyes.
- **Respiratory**: Benzene, C10-16 alkyl derivs. No additional information.

### Sensitization

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Route of exposure</th>
<th>Species</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>OECD 406 Skin Sensitization</td>
<td>skin</td>
<td>Guinea pig</td>
<td>Not sensitizing</td>
</tr>
</tbody>
</table>

### Mutagenicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>Experiment: In vitro Subject: Mammalian-Animal Metabolic activation: +/- Experiment: In vitro Subject: bacteria/yeast Metabolic activation: +/- Experiment: In vivo Subject: Mammalian-Animal</td>
<td>Negative</td>
</tr>
</tbody>
</table>

### Carcinogenicity
Not available.

### Reproductive toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Species</th>
<th>Maternal toxicity</th>
<th>Fertility</th>
<th>Developmental effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>OECD 416 Two-Generation Reproduction Toxicity Study</td>
<td>Rat - Male, Female</td>
<td>Negative</td>
<td>Positive</td>
<td>Positive</td>
</tr>
</tbody>
</table>

### Teratogenicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Species</th>
<th>Result/Result type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>OECD 414 Prenatal Developmental Toxicity Study</td>
<td>Rat - Female</td>
<td>Negative - Oral</td>
</tr>
</tbody>
</table>
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Specific target organ toxicity (single exposure)
Not available.

Specific target organ toxicity (repeated exposure)
Not available.

Aspiration hazard

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>ASPIRATION HAZARD - Category 1</td>
</tr>
</tbody>
</table>

Information on the likely routes of exposure
Not available.

Potential acute health effects

<table>
<thead>
<tr>
<th>Route</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Irritating to mouth, throat and stomach.</td>
</tr>
</tbody>
</table>

Symptoms related to the physical, chemical and toxicological characteristics

<table>
<thead>
<tr>
<th>Route</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>Adverse symptoms may include the following: pain or irritation, watering redness</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Adverse symptoms may include the following: irritation, redness</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

<table>
<thead>
<tr>
<th>Effect</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potential immediate effects</td>
<td>Not available.</td>
</tr>
<tr>
<td>Potential delayed effects</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Long term exposure

<table>
<thead>
<tr>
<th>Effect</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potential immediate effects</td>
<td>Not available.</td>
</tr>
<tr>
<td>Potential delayed effects</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Potential chronic health effects

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Endpoint</th>
<th>Species</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>OECD 416 Two-Generation Reproduction Toxicity Study</td>
<td>Sub-chronic NOAEL Oral</td>
<td>Rat - Male, Female</td>
<td>50 mg/kg</td>
</tr>
</tbody>
</table>
**SECTION 12: ECOLOGICAL INFORMATION**

### Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Endpoint</th>
<th>Exposure</th>
<th>Species</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>EU EC C.2 Acute Toxicity for Daphnia OECD 201 Alga, Growth Inhibition Test</td>
<td>Acute EC50</td>
<td>48 hours</td>
<td>Daphnia</td>
<td>&gt;0.041 mg/l</td>
</tr>
<tr>
<td></td>
<td>OECD OECD 204 -Fish, Prolonged Toxicity Test: 14-Day Study OECD 201 Alga, Growth Inhibition Test</td>
<td>Acute ErC50 (growth rate) LC50</td>
<td>72 hours</td>
<td>Fish</td>
<td>&gt;100 ugl</td>
</tr>
<tr>
<td></td>
<td>ASTM</td>
<td>Acute LC50</td>
<td>14 days Semi-static</td>
<td>Algae</td>
<td>&gt;50 ugl</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chronic NOEC</td>
<td>72 hours</td>
<td>Algae</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chronic NOEC</td>
<td>21 days Flow-through</td>
<td>Daphnia</td>
<td>0.0075 mg/l</td>
</tr>
</tbody>
</table>

### Persistence and degradability

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Period</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>No official guidelines OECD 301F Ready Biodegradability - Manometric Respirometry Test</td>
<td>42 days</td>
<td>96.3 to 99 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td>28 days</td>
<td>64 %</td>
</tr>
</tbody>
</table>

### Aquatic half-life

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
</tbody>
</table>

### Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogPow</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, C10-16 alkyl derivs.</td>
<td>6.4 to 7.9</td>
<td>35</td>
<td>low</td>
</tr>
</tbody>
</table>
Mobility in soil
Not available.

Other adverse effects
No known significant effects or critical hazards.

Other ecological information
BOD5
Not determined.

COD
Not determined.

TOC
Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS
Disposal methods
The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

Proper shipping name

<table>
<thead>
<tr>
<th>DOT</th>
<th>TDG</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Regulatory information</th>
<th>UN number</th>
<th>Classes</th>
<th>PG*</th>
<th>Label</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>TDG Classification</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>IMDG Classification</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>IATA Classification</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

PG* : Packing group
SECTION 15: REGULATORY INFORMATION

**US Federal Regulations**
- TSCA 8(b) inventory: All components are listed or exempted.
- TSCA 5(a)2 final significant new use rule (SNUR): No ingredients listed.
- TSCA 5(e) substance consent order: No ingredients listed.
- TSCA 12(b) export notification: No ingredients listed.
- SARA 311/312: Immediate (acute) health hazard
- Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): No ingredients listed.
- Clean Air Act - Ozone Depleting Substances (ODS): This product does not contain nor is it manufactured with ozone depleting substances.
- SARA 313: No ingredients listed.
- CERCLA Hazardous substances: No ingredients listed.

**State Regulations**
- PENNSYLVANIA - RTK: No ingredients listed.
- California Prop 65: This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

**Canadian Regulations**
- CEPA DSL: All components are listed or exempted.
- WHMIS Classes: Class D-2B: Material causing other toxic effects (Toxic).

**International Lists**
- Australia inventory (AICS): All components are listed or exempted.
- China inventory (IECSC): All components are listed or exempted.
- Japan inventory: Not determined.
- Korea inventory: All components are listed or exempted.
- Malaysia Inventory (EHS Register): Not determined.
- New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
- Philippines inventory (PICCS): All components are listed or exempted.
- Taiwan inventory (CSNN): Not determined.

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.

**Brazil Regulations**
- Classification system used: Norma ABNT-NBR 14725-2:2012
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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

<table>
<thead>
<tr>
<th>Hazardous Material Information System (U.S.A.)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health</strong></td>
</tr>
<tr>
<td><strong>Flammability</strong></td>
</tr>
<tr>
<td><strong>Physical hazards</strong></td>
</tr>
<tr>
<td><strong>Personal protection</strong></td>
</tr>
</tbody>
</table>

The customer is responsible for determining the PPE code for this material.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

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The customer is responsible for determining the PPE code for this material.

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