SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product form</td>
<td>Mixture</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Product name</td>
<td>SODIUM METHOXIDE, 25% in methanol</td>
</tr>
<tr>
<td>Product code</td>
<td>AKS761</td>
</tr>
<tr>
<td>Formula</td>
<td>CH3NaO</td>
</tr>
<tr>
<td>Synonyms</td>
<td>SODIUM METHYLATE; METHANOL, SODIUM SALT</td>
</tr>
<tr>
<td>Chemical family</td>
<td>METAL ALCOHOLATE</td>
</tr>
</tbody>
</table>

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

Use of the substance/mixture: Chemical intermediate
For research and industrial use only

1.3. Details of the supplier of the safety data sheet

GELEST, INC.
11 East Steel Road
Morrisville, PA 19067
USA
T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST
info@gelest.com - www.gelest.com

1.4. Emergency telephone number

Emergency number: CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Classification (GHS-US)</th>
<th>Hazard phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 2</td>
<td>H225 Highly flammable liquid and vapor</td>
</tr>
<tr>
<td>Acute Tox. 3 (Oral)</td>
<td>H301 Acute toxicity; if swallowed, in contact with skin or if inhaled</td>
</tr>
<tr>
<td>Acute Tox. 3 (Dermal)</td>
<td>H311</td>
</tr>
<tr>
<td>Acute Tox. 3 (Inhalation;vapour)</td>
<td>H331</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>H315</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>H318</td>
</tr>
<tr>
<td>STOT SE 1</td>
<td>H370</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>H336</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

<table>
<thead>
<tr>
<th>Hazard pictograms (GHS-US)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS02</td>
<td>Flammable</td>
</tr>
<tr>
<td>GHS05</td>
<td>Inflammable</td>
</tr>
<tr>
<td>GHS06</td>
<td>Oxidising</td>
</tr>
<tr>
<td>GHS07</td>
<td>Corrosive</td>
</tr>
<tr>
<td>GHS08</td>
<td>Toxic</td>
</tr>
</tbody>
</table>

Signal word (GHS-US): Danger

Hazard statements (GHS-US):

- H225 - Highly flammable liquid and vapor
- H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled
- H315 - Causes skin irritation
- H318 - Causes serious eye damage
- H336 - May cause drowsiness or dizziness
- H370 - Causes damage to organs

Precautionary statements (GHS-US):

- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P210 - Keep away from heat, open flames, sparks. - No smoking
- P240 - Ground/bond container and receiving equipment
- P241 - Use explosion-proof electrical equipment
- P242 - Use only non-sparking tools
- P243 - Take precautionary measures against static discharge
- P260 - Do not breathe vapors
- P264 - Wash hands thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P271 - Use only outdoors or in a well-ventilated area
SODIUM METHOXIDE, 25% in methanol
Safety Data Sheet

P330 - Rinse mouth
P301+P310 - If swallowed: Immediately call a POISON CENTER
P303+P361+P353 - If on skin (or hair): take off immediately all contaminated clothing. rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P307+P311 - If exposed: Call a poison center/doctor
P332+P313 - If skin irritation occurs: Get medical advice/attention
P303+P361+P353 - If on skin (or hair): take off immediately all contaminated clothing. rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P307+P311 - If exposed: Call a poison center/doctor
P332+P313 - If skin irritation occurs: Get medical advice/attention

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>(CAS No) 67-56-1</td>
<td>&gt; 75</td>
<td>Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation: vapour), H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 1, H370 STOT SE 3, H336</td>
</tr>
<tr>
<td>Sodium methylate</td>
<td>(CAS No) 124-41-4</td>
<td>&gt; 25</td>
<td>Self-heat. 1, H251 Skin Corr. 1B, H314 Eye Dam. 1, H318</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label. Call a POISON CENTER or doctor/physician.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

First-aid measures after skin contact : Remove/take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a poison center or doctor/physician. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes damage to organs.
Symptoms/injuries after skin contact : Toxic in contact with skin. Causes skin irritation. Repeated exposure to this material can result in absorption through skin causing significant health hazard. Worker will notice a slippery feeling on washing.
Symptoms/injuries after eye contact : Causes serious eye damage.
Symptoms/injuries after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard. Oral toxicity is associated with methanol, the solvent and a hydrolysis product which causes nausea, vomiting, headache, visual effects including blindness. Onset of symptoms may be delayed up to 48 hours.

Chronic symptoms : Methanol may effect the central nervous system resulting in persistent or recurring headaches or impaired vision. The solvent, methanol, probably determines toxicity. Ingestion of methanol can cause blindness and death.

07/13/2015 EN (English US) SDS ID: AKS761 2/8
## 4.3. Indication of any immediate medical attention and special treatment needed

NOTE TO PHYSICIAN: The combination of visual disturbances, metabolic acidosis and formic acid in urine is evidence of methanol poisoning. The therapeutic intravenous administration of ethanol (10 ml/hour) allows methanol to be preferentially oxidized and reduces production of methanol metabolites. Acidosis must be treated with intravenous administration of sodium bicarbonate and methanol elimination may be increased by hemodialysis, as indicated. Treatment should be based on blood methanol levels and acid-base balance.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Unsuitable extinguishing media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry chemical. Dry soda ash.</td>
<td>Water.</td>
</tr>
</tbody>
</table>

### 5.2. Special hazards arising from the substance or mixture

<table>
<thead>
<tr>
<th>Fire hazard</th>
<th>Highly flammable liquid and vapor. Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosion hazard</td>
<td>May form flammable/explosive vapor-air mixture.</td>
</tr>
</tbody>
</table>

### 5.3. Advice for firefighters

<table>
<thead>
<tr>
<th>Firefighting instructions</th>
<th>Protection during firefighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exercise caution when fighting any chemical fire. Protect against caustic dust, smoke and water.</td>
<td>Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist. Wear pressure demand self-contained breathing apparatus with full facepiece and full protective clothing.</td>
</tr>
</tbody>
</table>

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<table>
<thead>
<tr>
<th>General measures</th>
<th>Eliminate every possible source of ignition. Use special care to avoid static electric charges.</th>
</tr>
</thead>
</table>

#### 6.1.1. For non-emergency personnel

<table>
<thead>
<tr>
<th>Protective equipment</th>
<th>Evacuate unnecessary personnel.</th>
</tr>
</thead>
</table>

#### 6.1.2. For emergency responders

<table>
<thead>
<tr>
<th>Protective equipment</th>
<th>Avoid breathing vapors. Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: &quot;Exposure controls/personal protection&quot;.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency procedures</td>
<td>Ventilate area.</td>
</tr>
</tbody>
</table>

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

<table>
<thead>
<tr>
<th>Methods for cleaning up</th>
<th>Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. Use only non-sparking tools.</th>
</tr>
</thead>
</table>

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<table>
<thead>
<tr>
<th>Additional hazards when processed</th>
<th>Handle empty containers with care because residual vapors are flammable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precautions for safe handling</td>
<td>Avoid all eye and skin contact and do not breathe vapor and mist. Provide good ventilation in process area to prevent accumulation of vapors. Use only outdoors or in a well-ventilated area. Containers must be properly grounded before beginning transfer. Use only non-sparking tools.</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.</td>
</tr>
</tbody>
</table>

### 7.2. Conditions for safe storage, including any incompatibilities

<table>
<thead>
<tr>
<th>Technical measures</th>
<th>Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage conditions</td>
<td>Keep container tightly closed. Store under dry nitrogen or argon in sealed containers.</td>
</tr>
<tr>
<td>Storage area</td>
<td>Store in a well-ventilated place. Store away from heat.</td>
</tr>
</tbody>
</table>

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters
SODIUM METHOXIDE, 25% in methanol
Safety Data Sheet

8.2. Exposure controls

Exposure controls
Appropriate engineering controls
Provide local exhaust or general room ventilation.

Personal protective equipment
Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection
Neoprene or nitrile rubber gloves.

Eye protection
Chemical goggles or face shield. Contact lenses should not be worn.

Skin and body protection
Wear suitable protective clothing. Long-sleeved fire-resistant lab uniform or coverall is recommended.

Respiratory protection
Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified caustic organic vapor (black cartridge) respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Appearance
Clear solution.

Molecular mass
54.02 g/mol

Color
No data available

Odor
No data available

Odor threshold
No data available

Refractive index
1.37

pH
No data available

Relative evaporation rate (butyl acetate=1)
No data available

Melting point
No data available

Freezing point
< 0 °C

Boiling point
68 °C (initial, methanol)

Flash point
11 °C

Auto-ignition temperature
No data available

Decomposition temperature
No data available

Flammability (solid, gas)
Highly flammable liquid and vapor

Vapor pressure
50 mm Hg @ 25°C

Relative vapor density at 20 °C
5.9

Relative density
0.945

VOC content
75 %

Solubility
Reacts with water. Dissolves.

Log Pow
No data available

Log Kow
No data available

Viscosity, kinematic
20 - 25 cSt 25°C

Viscosity, dynamic
No data available

Explosive properties
No data available

Oxidizing properties
No data available

Explosion limits
6 - 36.5 vol % (lower; upper: methanol)

9.2. Other information

No additional information available
SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable under nitrogen or argon in sealed containers.

10.3. Possibility of hazardous reactions
Material decomposes slowly in contact with moist air and rapidly in contact with water.

10.4. Conditions to avoid
Heat. Sparks. Open flame.

10.5. Incompatible materials

10.6. Hazardous decomposition products
Caustic organic vapors. Methanol. Sodium hydroxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects


### SODIUM METHOXIDE, 25% in methanol (124-41-4)

<table>
<thead>
<tr>
<th></th>
<th>ATE US (oral)</th>
<th>ATE US (dermal)</th>
<th>ATE US (vapors)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE US (oral)</td>
<td>250.000 mg/kg</td>
<td>750.000 mg/kg</td>
<td>7.500 mg/l/4h</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATE US (vapors)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Methanol (67-56-1)**

| LD50 oral rat | 6200 mg/kg |
| LD50 dermal rabbit | 20 g/kg |
| LC50 inhalation rat (ppm) | 22500 ppm (Exposure time: 8 h) |
| ATE US (oral) | 100.000 mg/kg |
| ATE US (dermal) | 300.000 mg/kg |
| ATE US (vapors) | 3.000 mg/l/4h |

**Sodium methylate (124-41-4)**

| LD50 oral rat | 2037 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| ATE US (oral) | 2037.000 mg/kg |

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye damage.
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Causes damage to organs. May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified
Symptoms/injuries after skin contact: Toxic in contact with skin. Causes skin irritation. Repeated exposure to this material can result in absorption through skin causing significant health hazard. Worker will notice a slippery feeling on washing.
Symptoms/injuries after eye contact: Causes serious eye damage.
Symptoms/injuries after ingestion: Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard. Oral toxicity is associated with methanol, the solvent and a hydrolysis product which causes nausea, vomiting, headache, visual effects including blindness. Onset of symptoms may be delayed up to 48 hours.
Chronic symptoms: Methanol may effect the central nervous system resulting in persistent or recurring headaches or impaired vision. The solvent, methanol, probably determines toxicity. Ingestion of methanol can cause blindness and death.
SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Methanol (67-56-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
</tr>
<tr>
<td>28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
</tr>
<tr>
<td>LC50 fish 2</td>
</tr>
<tr>
<td>&gt; 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Methanol (67-56-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 1</td>
</tr>
<tr>
<td>&lt; 10</td>
</tr>
<tr>
<td>Log Pow</td>
</tr>
<tr>
<td>-0.77</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other adverse effects : This substance may be hazardous to the environment.
Effect on ozone layer : No additional information available
Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.
Additional information : Handle empty containers with care because residual vapors are flammable.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

UN-No.(DOT) : 1289
DOT NA no. : UN1289

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Sodium methylate solutions in alcohol
Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT) : 3 - Flammable liquid
: 8 - Corrosive

Packing group (DOT) : II - Medium Danger
DOT Packaging Exceptions (49 CFR 173.xxx) : 150
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
DOT Packaging Bulk (49 CFR 173.xxx) : 243

14.3. Additional information

Other information : No supplementary information available.

Transport by sea

DOT Vessel Stowage Location : B - (i) The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) “On deck only” on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Air transport

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 1 L
SODIUM METHOXIDE, 25% in methanol
Safety Data Sheet

DOT Quantity Limitations Cargo aircraft only (49 : 5 L
CFR 175.75)

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

**Methanol (67-56-1)**
- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Listed on United States SARA Section 313
- SARA Section 313 - Emission Reporting 1.0 %

**Sodium methylate (124-41-4)**
- Listed on the United States TSCA (Toxic Substances Control Act) inventory

**15.2. International regulations**

**Methanol (67-56-1)**
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on the Canadian DSL (Domestic Substances List)
- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
- Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
- Listed on the Korean ECL (Existing Chemicals List)
- Listed on NZIoC (New Zealand Inventory of Chemicals)
- Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
- Japanese Poisonous and Deleterious Substances Control Law
- Listed on the Canadian IDL (Ingredient Disclosure List)
- Listed on INSQ (Mexican national Inventory of Chemical Substances)
- Listed on Turkish inventory of chemical

**Sodium methylate (124-41-4)**
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on the Canadian DSL (Domestic Substances List)
- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
- Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
- Listed on the Korean ECL (Existing Chemicals List)
- Listed on NZIoC (New Zealand Inventory of Chemicals)
- Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
- Listed on INSQ (Mexican national Inventory of Chemical Substances)
- Listed on Turkish inventory of chemical

**15.3. US State regulations**

<table>
<thead>
<tr>
<th>SODIUM METHOXIDE, 25% in methanol(124-41-4)</th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - California - Proposition 65 - Developmental Toxicity</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**Methanol (67-56-1)**

<table>
<thead>
<tr>
<th>Proposition 65 - Carcinogens List</th>
<th>Proposition 65 - Developmental Toxicity</th>
<th>Proposition 65 - Reproductive Toxicity - Female</th>
<th>Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No significance risk level (NSRL)</td>
</tr>
</tbody>
</table>

**Sodium methylate (124-41-4)**

<table>
<thead>
<tr>
<th>Proposition 65 - Carcinogens List</th>
<th>Proposition 65 - Developmental Toxicity</th>
<th>Proposition 65 - Reproductive Toxicity - Female</th>
<th>Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No significance risk level (NSRL)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sodium methylate (124-41-4)</th>
<th>Proposition 65 - Carcinogens List</th>
<th>Proposition 65 - Developmental Toxicity</th>
<th>Proposition 65 - Reproductive Toxicity - Female</th>
<th>Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No significance risk level (NSRL)</td>
</tr>
</tbody>
</table>
SECTION 16: Other information

Abbreviations and acronyms:

- Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °C: degrees Celsius; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development.

Full text of H-phrases:

- Acute Tox. 3 (Dermal) Acute toxicity (dermal) Category 3
- Acute Tox. 3 (Inhalation:vapour) Acute toxicity (inhalation:vapor) Category 3
- Acute Tox. 3 (Oral) Acute toxicity (oral) Category 3
- Eye Dam. 1 Serious eye damage/eye irritation Category 1
- Flam. Liq. 2 Flammable liquids Category 2
- Self-heat. 1 Self-heating substances and mixtures Category 1
- Skin Corr. 1B Skin corrosion/irritation Category 1B
- Skin Irrit. 2 Skin corrosion/irritation Category 2
- STOT SE 1 Specific target organ toxicity (single exposure) Category 1
- STOT SE 3 Specific target organ toxicity (single exposure) Category 3
- H225 Highly flammable liquid and vapor
- H251 Self-heating: may catch fire
- H301 Toxic if swallowed
- H311 Toxic in contact with skin
- H314 Causes severe skin burns and eye damage
- H315 Causes skin irritation
- H318 Causes serious eye damage
- H331 Toxic if inhaled
- H336 May cause drowsiness or dizziness
- H370 Causes damage to organs

HMIS III Rating

- Health: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
- Flammability: 4 Severe Hazard
- Physical: 2 Moderate Hazard

Prepared by safety and environmental affairs.

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SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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