OSBOR ANTI-SPATTER 76243

SAFETY DATA SHEET
OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Chemical Name: Mixture
CAS No.: Mixture
Trade Name: OSBORN ANTI-SPATTER 76243
Product Code: M-5822

Relevant identified uses of the substance or mixture and uses advised against
Identified Use(s): Welding Product
Uses Advised Against: None

Company Identification
Osborn
2350 Salisbury Road North
Richmond, IN  47374  USA

Telephone: (765) 965-5333
Fax: (765) 935-0212
E-Mail (competent person): marketsupport@osborn.com

Emergency telephone number
Transportation Emergency: CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture
OSHA HCS (29 CFR 1910.1200) Flam. Aerosol 1; Liquefied gas; Eye Irrit. 2; STOT SE 3

Label elements
Hazard Symbol

Signal word(s)
DANGER

Hazard Statement(s)
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary Statement(s)
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Wear eye/face protection.
Wash hands thoroughly after handling.
Avoid breathing spray.
Use only outdoors or in a well-ventilated area.
Protect from sunlight and do not expose to temperatures exceeding 50 ºC/122 ºF.

Other hazards
None
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>% wt. *</th>
<th>CAS No.</th>
<th>Hazard classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl ethyl ketone</td>
<td>&gt; 60</td>
<td>78-93-3</td>
<td>Flam. Liq. 2; H225</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2; H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3; H336</td>
</tr>
<tr>
<td>Propane</td>
<td>20 - 30</td>
<td>74-98-6</td>
<td>Flam. Gas 1; H220</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Liquefied gas; H280</td>
</tr>
<tr>
<td>Talc- Hydrous magnesium silicate</td>
<td>&lt; 5</td>
<td>14807-96-6</td>
<td>Eye Irrit. 2; H319</td>
</tr>
<tr>
<td>Zinc disterate</td>
<td>&lt; 5</td>
<td>557-05-1</td>
<td>Aquatic Acute 1; H400</td>
</tr>
</tbody>
</table>

Additional Information - None

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation
Remove person to fresh air and keep comfortable for breathing. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact
Wash affected skin with soap and water. If symptoms develop, obtain medical attention.

Eye Contact
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.

Ingestion
Do not give anything by mouth to an unconscious person. Seek medical treatment.

Most important symptoms and effects, both acute and delayed
May cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media
- Suitable Extinguishing Media
  Extinguish with carbon dioxide, dry chemical, foam or water spray.
- Unsuitable Extinguishing Media
  Do not use water jet.

Special hazards arising from the substance or mixture
Pressurised container: May burst if heated

Advice for fire-fighters
A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Eliminate sources of ignition. Avoid contact with skin and eyes. Avoid breathing vapors.
Environmental precautions: Prevent liquid entering sewers, basements and work pits.

Methods and material for containment and cleaning up: Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections: None

Additional Information: None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Use product in a well-ventilated area only. Avoid contact with skin and eyes. Avoid breathing vapors.

Conditions for safe storage, including any incompatibilities:
- Storage temperature: Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
- Incompatible materials: This product should be stored away from sources of strong heat or oxidizing chemicals. Strong Reducing agents. Halogenated compounds. Copper and Copper alloys. Isocyanates. Strong acids and Strong bases.

Specific end use(s): Welding Product

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE.</th>
<th>CAS No.</th>
<th>(8hr TWA) (PEL (OSHA))</th>
<th>(8hr TWA) (TLV (ACGIH))</th>
<th>(STEL) (PEL (OSHA))</th>
<th>(STEL) (TLV (ACGIH))</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl ethyl ketone</td>
<td>78-93-3</td>
<td>200 ppm</td>
<td>200 ppm</td>
<td>-----</td>
<td>300 ppm</td>
<td>-----</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm</td>
<td>Aspyx.¹</td>
<td>-----</td>
<td>-----</td>
<td>#</td>
</tr>
</tbody>
</table>

¹Assure minimum oxygen content of work atmosphere.

Recommended monitoring method: NIOSH 2500 (MEK)

Exposure controls: Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

Personal protection equipment:
- Eye/face protection: Wear protective eyewear (goggles, face shield, or safety glasses).
- Skin protection (Hand protection/ Other): Wear suitable gloves if prolonged skin contact is likely (Butyl rubber).
- Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.
- Thermal hazards: Not normally required. Use gloves with insulation for thermal protection, when needed.
Environmental Exposure Controls
None known

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Aerosol Spray</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor Threshold (ppm)</td>
<td>Not available</td>
</tr>
<tr>
<td>pH (Value)</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point (°C) / Freezing Point (°C)</td>
<td>-86.65 (Methyl ethyl ketone)</td>
</tr>
<tr>
<td>Boiling point/boiling range (°C):</td>
<td>79.59 (Methyl ethyl ketone)</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>-8 (Methyl ethyl ketone)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Extremely flammable</td>
</tr>
<tr>
<td>Explosive Limit Ranges</td>
<td>2.1% - 9.5% v/v (Propane)</td>
</tr>
<tr>
<td>Vapor pressure (Pascal)</td>
<td>ca. 9.5 x 10^4 (Propane)</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>ca. 1.56 @ 0°C (Propane)</td>
</tr>
<tr>
<td>Density (g/ml)</td>
<td>0.81 @ 20 °C (Methyl ethyl ketone)</td>
</tr>
<tr>
<td>Solubility (Water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Coefficient (n-Octanol/water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto Ignition Point (°C)</td>
<td>404 (Methyl ethyl ketone)</td>
</tr>
<tr>
<td>Decomposition Temperature (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not oxidizing</td>
</tr>
<tr>
<td>Other information</td>
<td>Not available</td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY

Reactivity
Stable under normal conditions.

Chemical stability
Stable.

Possibility of hazardous reactions
None anticipated.

Conditions to avoid
Avoid contact with heat and ignition sources.

Incompatible materials

Hazardous decomposition product(s)
Formation of carbon oxides under fire conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Substances in preparations / mixtures
Methyl Ethyl Ketone (CAS No. 78-93-3)

Acute toxicity
Oral LD50 = 3460 mg/kg (rat)
Dermal LD50 >10 ml/kg (rabbit)
Inhalation LC50 >5041 ppm (6 hour(s)) (rat) - Vapours may cause drowsiness and dizziness.

Irritation/Corrosivity
Causes serious eye irritation. Unlikely to cause skin irritation.

Sensitization
It is not a skin sensitizer.

Repeated dose toxicity
Inhalation NOAEL ≥ 5041 ppm (rat)
Carcinogenicity

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
</table>

Mutagenicity
Negative.

Reproductive toxicity
Negative.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

Methyl Ethyl Ketone (CAS No. 78-93-3):

- **Short term**
  - LC50 (96 hour): 2,993 mg/l (Pimephales promelas – Fathead minnow)
  - EC50 (48 hour): 308 mg/l (Daphnia magna – Water flea)
  - EC50 (96 hour): 2,029 mg/l (Pseudokirchneriella subcapitata – Green algae)

- **Long Term**
  - Not available.

Persistence and degradability
Biodegradable

Bioaccumulative potential
The product has no potential for bioaccumulation.

Mobility in soil
Not available.

Results of PBT and vPvB assessment
Not classified as PBT or vPvB.

Other adverse effects
None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods
Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**SECTION 14: TRANSPORT INFORMATION**

<table>
<thead>
<tr>
<th>U.S. DOT</th>
<th>Sea transport (IMDG)</th>
<th>Air transport (ICAO/IATA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>1950</td>
<td>1950</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td>Aerosols, flammable</td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>2.1</td>
<td>2.1</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>None assigned</td>
<td>None assigned</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>None assigned</td>
<td>None assigned</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

**SECTION 15: REGULATORY INFORMATION**

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

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>RQ (Pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl ethyl ketone</td>
<td>78-93-3</td>
<td>68</td>
<td>5,000</td>
</tr>
</tbody>
</table>

SARA 311/312 - Hazard Categories:

- ☑️ Fire
- ☑️ Sudden Release
- ☐ Reactivity
- ☑️ Immediate (acute)
- ☐ Chronic (delayed)
OSBORN ANTI-SPATTER 76243

SARA 313 - Toxic Chemicals (40 CFR 372):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>TPQ (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>----</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

California Proposition 65 List:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Type of Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 3.

Date of preparation: May 25, 2015

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)
- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapor.
- H280: Contains gas under pressure; may explode if heated.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H400: Very toxic to aquatic life.

Training advice: None.

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