1. Identification

Product identifier: Welder’s Anti Spatter
Other means of identification:
- Product code: 03083
- Recommended use: Prevents spatter from adhering to surrounding metal surfaces during welding
- Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information:
- Manufactured or sold by:
  - Company name: CRC Industries, Inc.
  - Address: 885 Louis Dr., Warminster, PA 18974 US
  - Telephone:
    - General Information: 215-674-4300
    - Technical Assistance: 800-521-3168
    - Customer Service: 800-272-4620
    - 24-Hour Emergency (CHEMTREC): 800-424-9300 (US), 703-527-3887 (International)
  - Website: www.crcindustries.com

2. Hazard(s) identification

Physical hazards:
- Category 2: Flammable aerosols
- Liquefied gas

Health hazards:
- Not classified.

Environmental hazards:
- Not classified.

OSHA defined hazards:
- Not classified.

Label elements:
- Signal word: Warning
- Hazard statement: Flammable aerosol. Contains gas under pressure; may explode if heated.
- Precautionary statement:
  - Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressure container: Do not pierce or burn, even after use. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying.
  - Response: Wash hands after handling.
  - Storage: Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Exposure to high temperature may cause can to burst.
  - Disposal: Dispose of contents/container in accordance with local/regional/national regulations.

3. Composition/information on ingredients

Mixtures:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td></td>
<td>7732-18-5</td>
<td>60 - 70</td>
</tr>
</tbody>
</table>
### 4. First-aid measures

**Inhalation**
If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

**Skin contact**
Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion**
Rinse mouth. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention.

**Indication of immediate medical attention and special treatment needed**
Direct contact with eyes may cause temporary irritation.

**General information**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire-fighting measures

**Suitable extinguishing media**
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**
Contents under pressure. Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Fire-fighting equipment/instructions**
In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.

**General fire hazards**
Flammable aerosol. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many vapors are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

**Environmental precautions**
Avoid discharge into drains, water courses or onto the ground.

### 7. Handling and storage

**Precautions for safe handling**
Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Avoid breathing mist or vapor. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. For product usage instructions, please see the product label.
Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light mineral oil (CAS 8042-47-5)</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>Mist.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light mineral oil (CAS 8042-47-5)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Inhalable fraction.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. NIOSH: Pocket Guide to Chemical Hazards</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light mineral oil (CAS 8042-47-5)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Mist.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Mist.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. AIHA Workplace Environmental Exposure Level (WEEL) Guides</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl ether (CAS 115-10-6)</td>
<td>TWA</td>
<td>1880 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Biological limit values

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

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) 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.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear safety glasses with side shields (or goggles).

Skin protection
Hand protection
Wear protective gloves such as: Nitrile. Polyvinyl chloride (PVC).

Other
Wear suitable protective clothing.

Respiratory protection
If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

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.

9. Physical and chemical properties

Appearance
Physical state
Liquid.
Form
Liquid.
Color
Milky white.
Odor
Slight ethereal.
Odor threshold
Not available.
pH
7 - 8
Melting point/freezing point
32 °F (0 °C) estimated
Initial boiling point and boiling range
212 °F (100 °C) estimated

Flash point
> 265 °F (> 129.4 °C)

Evaporation rate
Slow.

Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits
Flammability limit - lower (%)
3 % estimated

Flammability limit - upper (%)
23.5 % estimated

Vapor pressure
1082.8 hPa estimated

Vapor density
> 1 (air = 1)

Relative density
0.92 estimated

Solubility (water)
Soluble.

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

Auto-ignition temperature
500 °F (260 °C) estimated

Decomposition temperature
Not available.

Viscosity (kinematic)
Not available.

Percent volatile
88.8 % estimated

10. Stability and reactivity
Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

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

Conditions to avoid
Heat, flames and sparks. Contact with incompatible materials.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Carbon oxides. Acrid smoke.

11. Toxicological information
Information on likely routes of exposure

Inhalation
Prolonged inhalation may be harmful.

Skin contact
Prolonged skin contact may cause temporary irritation.

Eye contact
Direct contact with eyes may cause temporary irritation.

Ingestion
Ingestion of small quantities is not expected to cause health effects. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics
Direct contact with eyes may cause temporary irritation.

Information on toxicological effects
Acute toxicity
Not available.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welder's Anti Spatter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td>53743 mg/kg estimated</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>133 mg/l, 4 Hours estimated</td>
</tr>
<tr>
<td><strong>Product</strong></td>
<td><strong>Species</strong></td>
<td><strong>Test Results</strong></td>
</tr>
<tr>
<td>------------</td>
<td>------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>38744 mg/kg estimated</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**
- Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation**
- Direct contact with eyes may cause temporary irritation.

**Respiratory sensitization**
- Not a respiratory sensitizer.

**Skin sensitization**
- This product is not expected to cause skin sensitization.

**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**
- Light mineral oil (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

**US. National Toxicology Program (NTP) Report on Carcinogens**
- Not available.

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

**Specific target organ toxicity - single exposure**
- Not classified.

**Specific target organ toxicity - repeated exposure**
- Not classified.

**Aspiration hazard**
- Based on available data, the classification criteria are not met.

**Further information**
- This product has no known adverse effect on human health.

### 12. Ecological information

**Ecotoxicity**
- The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<table>
<thead>
<tr>
<th><strong>Product</strong></th>
<th><strong>Species</strong></th>
<th><strong>Test Results</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Welder's Anti Spatter</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

**Persistence and degradability**
- No data is available on the degradability of this product.

**Bioaccumulative potential**
- Partition coefficient n-octanol / water (log Kow)
  - Dimethyl ether: 0.1

**Mobility in soil**
- No data available.

**Other adverse effects**
- No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal of waste from residues / unused products**
- The dispensed liquid product is not a RCRA hazardous waste (See 40 CFR Part 261.20 - 261.33).
  - Empty container can be recycled. Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. Dispose in accordance with all applicable regulations.

**Hazardous waste code**
- Not regulated.

**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: UN1950
UN proper shipping name: Aerosols, flammable, Limited Quantity

Transport hazard class(es):
- Class: 2.1
- Subsidiary risk: -
- Label(s): 2.1

Packing group: Not applicable.

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Special provisions:
- N82

Packaging exceptions:
- 306

Packaging non bulk:
- None

Packaging bulk:
- None

IATA
UN number: UN1950
UN proper shipping name: Aerosols, flammable, Limited Quantity

Transport hazard class(es):
- Class: 2.1
- Subsidiary risk: -
- Packing group: Not applicable.
- Environmental hazards: No.
- ERG Code: 10L

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Other information:
- Passenger and cargo aircraft: Allowed.
- Cargo aircraft only: Allowed.

IMDG
UN number: UN1950
UN proper shipping name: AEROSOLS, LIMITED QUANTITY

Transport hazard class(es):
- Class: 2
- Subsidiary risk: -
- Packing group: Not applicable.
- Environmental hazards: No.
- Marine pollutant: No.
- EmS: F-D, S-U

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

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.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
- Not listed.

SARA 304 Emergency release notification
- Not regulated.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance
- Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)
- Not listed.

CERCLA Hazardous Substances: Reportable quantity
- Not listed.
- Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
- Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Dimethyl ether (CAS 115-10-6) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Section 311/312 Immediate Hazard - No
Hazard categories Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - Yes
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.

US. New Jersey Worker and Community Right-to-Know Act
Dimethyl ether (CAS 115-10-6)
Light mineral oil (CAS 8042-47-5)

US. Massachusetts RTK - Substance List
Dimethyl ether (CAS 115-10-6)
Light mineral oil (CAS 8042-47-5)

US. Pennsylvania Worker and Community Right-to-Know Law
Dimethyl ether (CAS 115-10-6)
Light mineral oil (CAS 8042-47-5)

US. Rhode Island RTK
Dimethyl ether (CAS 115-10-6)

US. California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
1,3-Dichloropropene (CAS 542-75-6) Listed: January 1, 1989
Diethanolamine (CAS 111-42-2) Listed: June 22, 2012
Ethyl acrylate (CAS 140-88-5) Listed: July 1, 1989
Methylene chloride (CAS 75-09-2) Listed: April 1, 1988

Volatile organic compounds (VOC) regulations

EPA
VOC content (40 CFR 51.100(s)) 25.3 %
Consumer products (40 CFR 59, Subpt. C) Not regulated

State
Consumer products Not regulated
VOC content (CA) 25.3 %
VOC content (OTC) 25.3 %

International Inventories

Country(s) or region
Australia
Canada
Canada
China
Europe
Europe
Japan
Korea

Inventory name
Australian Inventory of Chemical Substances (AICS)
Domestic Substances List (DSL)
Non-Domestic Substances List (NDSL)
Inventory of Existing Chemical Substances in China (IECSC)
European Inventory of Existing Commercial Chemical Substances (EINECS)
European List of Notified Chemical Substances (ELINCS)
Inventory of Existing and New Chemical Substances (ENCS)
Existing Chemicals List (ECL)

On inventory (yes/no)*
No
No
No
No
No
No
No
No

Material name: Welder's Anti Spatter
03083 Version #: 02 Revision date: 07-22-2015 Issue date: 07-16-2015
Country(s) or region | Inventory name | On inventory (yes/no)*
--- | --- | ---
New Zealand | New Zealand Inventory | No
Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No
United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes

* "Yes" indicates that all components of this product comply 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

<table>
<thead>
<tr>
<th>Issue date</th>
<th>07-16-2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>07-22-2015</td>
</tr>
<tr>
<td>Prepared by</td>
<td>Allison Cho</td>
</tr>
<tr>
<td>Version #</td>
<td>02</td>
</tr>
</tbody>
</table>

Further information
Not available.

HMIS® ratings
- Health: 1
- Flammability: 2
- Physical hazard: 0
- Personal protection: B

NFPA ratings
- Health: 1
- Flammability: 2
- Instability: 0

Disclaimer
The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this (M)SDS consult your supervisor, a health & safety professional, or CRC Industries.