SAFETY DATA SHEET

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:
Flammable aerosols
Gases under pressure
Category 2
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. Pressurized 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.

Hazard(s) not otherwise classified (HNOC):
None known.

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>

Material name: Welder’s Anti Spatter
03083  Version #: 01  Issue date: 07-16-2015

SDS US
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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.

Most important symptoms/effects, acute and delayed
Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed
Treat symptomatically.

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>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>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</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>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. NIOSH: Pocket Guide to Chemical Hazards</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>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m3</td>
<td>Mist.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. AIHA Workplace Environmental Exposure Level (WEEL) Guides</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>1000 ppm</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

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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><strong>Acute</strong></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><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>133 mg/l, 4 Hours estimated</td>
</tr>
</tbody>
</table>
### Test Results

#### Oral

**LD50**
Rat: 38744 mg/kg estimated

* 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.

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<th>Test Results</th>
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</thead>
<tbody>
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<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 13934.9375 mg/l, 48 hours estimated</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish 51309.0195 mg/l, 96 hours estimated</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

<table>
<thead>
<tr>
<th>Partition coefficient n-octanol / water (log Kow)</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl ether</td>
<td>0.1</td>
</tr>
</tbody>
</table>

#### 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

<table>
<thead>
<tr>
<th>UN number</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1950</td>
</tr>
</tbody>
</table>
UN proper shipping name: Aerosols, flammable, Limited Quantity

Transport hazard class(es):
- Class: 2.1
- Subsidiary risk: Not applicable.
- 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: Not applicable.
- 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: Not applicable.
- 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)
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 Hazard categories
Immediate Hazard - No
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
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.
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
VOC content (CA) 25.3 %
VOC content (OTC) 25.3 %
International Inventories
Country(s) or region
Inventory name
On inventory (yes/no)*
Australia
Australiian Inventory of Chemical Substances (AICS) No
Canada
Domestic Substances List (DSL) No
Canada
Non-Domestic Substances List (NDSL) No
China
Inventory of Existing Chemical Substances in China (IECSC) No
Europe
European Inventory of Existing Commercial Chemical Substances (EINECS) No
Europe
European List of Notified Chemical Substances (ELINCS) No
Japan
Inventory of Existing and New Chemical Substances (ENCS) No
Korea
Existing Chemicals List (ECL) No
New Zealand
New Zealand Inventory No
Philippines
Philippine Inventory of Chemicals and Chemical Substances (PICCS) No

Material name: Welder's Anti Spatter
03083   Version #: 01   Issue date: 07-16-2015
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Country(s) or region: United States & Puerto Rico
Inventory name: Toxic Substances Control Act (TSCA) Inventory
On inventory (yes/no)*: Yes

*A “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>Prepared by</td>
<td>Allison Cho</td>
</tr>
<tr>
<td>Version #</td>
<td>01</td>
</tr>
<tr>
<td>Further information</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

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.