Safety Data Sheet
(in accordance with Annex II of Commission Regulation 453/2010/EC)

Date of elaboration: 14.9.2015
Date of revision:

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Identification of product
IUPAC/ international chemical name -
Trade name: Wizard Shield (MIG Transit Spray)
CAS: -
EINECS/ELINCS: -
Registration number: Industrial use: welding
Professional use: welding

1.2. Identified use :
- Professional use: welding
- Industrial use: welding

1.3. Supplier:
Street, No.: -
Zip Code: -
City: -
State: -
Phone: -
Fax: -
E-mail: -

1.4. Emergency number:

SECTION 2. HAZARD IDENTIFICATION

2.1. Classification in accordance with EP and Council Regulation 1272/2008 CLP
GHS07, Warning
Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317
Aquatic Chronic 4 , H413

2.2. Label elements
Symbol

Signal word Warning
Hazard statement
H315 Causes skin irritation.
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statement
P280 Wear protective gloves/ eye protection.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P302 + P352 IF ON SKIN: Wash with plenty of water
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with current regional legislation as dangerous waste.

2.3. Other hazards
Contains: additive

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>isobutyl stearate</th>
<th>distillates (petroleum), solvent-dewaxed heavy paraffinic</th>
<th>additive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration</td>
<td>&gt; 60%</td>
<td>10 – 30 %</td>
<td>&lt; 11%</td>
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<tr>
<td>CAS</td>
<td>646-13-9</td>
<td>64742-65-0</td>
<td>confidential</td>
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<tr>
<td>EC</td>
<td>211-466-1</td>
<td>265-169-7</td>
<td>confidential</td>
</tr>
<tr>
<td>Registration</td>
<td>in 2018</td>
<td>01-2119471299-27-xxxx</td>
<td></td>
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</tbody>
</table>
SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation
Move victim to fresh air. In case of difficulties after dust inhalation contact doctor.

Eyes
Wash eyes with plenty of water during at least 10 minutes. If irritation persists, contact doctor.

Skin
Remove contaminated clothing. Wash the skin with water.

Ingestion
Never induce vomiting. Contact doctor as soon as possible.

4.2 Most important symptoms and effects, both acute and delayed
Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Accidental ingestion may lead to penetration of particles into the lungs and cause serious health problems (pneumonia, pulmonary oedema).

4.3 Indication of any immediate medical attention and special treatment needed
In case of accidental ingestion, in case of difficulties after contact with eyes and also in case of allergic skin reaction immediately contact doctor.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media suitable CO2, powder, foam, water fog
not to be used water in full jet

5.2 Special hazards Hazardous decomposition products may form (carbon oxides, nitrogen oxides, hydrocarbons, organic compounds) and thick black smoke. Vapours may form explosive mixture with air.

5.3 Advice for fire fighters Use self-contained breathing apparatus. Wear protective clothing. Remove containers rapidly out of reach of fire or cool with water fog. Do not breathe combustion gases.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid prolonged contact with skin and eyes. Wear suitable personal protection. Avoid access of not protected and not informed persons.

6.2 Thermal hazard: combustible

6.3 Environmental precautions
Avoid release of product in to the waters, watercourses and water sources as well as to the sewerage. If it happens, contact responsible institutions.

6.4 Methods and material for containment and cleaning up
Pick up with non combustible absorbent materials (sand, earth) and take for disposal in closed, labelled containers.

6.5 Reference to other sections
personal protection: section 8
waste disposal: section 13

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Ensure ventilation of closed rooms. Avoid prolonged contact with skin and eyes. Wear suitable personal protection (eyes, skin). Keep safety and hygienic regulations for work with chemicals. Do not eat, drink or fume. Take off immediately all contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities
Storage in original, tightly closed container in cool, dry, well ventilated room. Do not store with incompatible materials.

7.3 Specific end use(s)
Product is used to protect MIG gun consumables and welded parts from welding spatters.
### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Control parameters</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL workers</td>
<td>data not available</td>
</tr>
<tr>
<td>DNEL population</td>
<td>data not available</td>
</tr>
<tr>
<td>Exposure controls</td>
<td></td>
</tr>
<tr>
<td>Hand protection</td>
<td>protective gloves (EN 374)</td>
</tr>
<tr>
<td>Skin protection</td>
<td>protective clothing</td>
</tr>
<tr>
<td>Eye protection</td>
<td>protective glasses (EN 166)</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>necessary in case of high concentration of vapours</td>
</tr>
<tr>
<td>Environmental exposure controls</td>
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</tr>
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</table>

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>amber</td>
</tr>
<tr>
<td>Odour</td>
<td>pleasant odour</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>data not available</td>
</tr>
<tr>
<td>pH</td>
<td>data not available</td>
</tr>
<tr>
<td>Melting point/freezing point [°C]</td>
<td>&lt; 8</td>
</tr>
<tr>
<td>Initial boiling point and boiling range [°C]</td>
<td>&gt; 200</td>
</tr>
<tr>
<td>Flash point [°C]</td>
<td>&gt; 170</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>data not available</td>
</tr>
<tr>
<td>Flammability</td>
<td>data not available</td>
</tr>
<tr>
<td>Auto-ignition temperature [°C]</td>
<td>&gt; 320</td>
</tr>
<tr>
<td>Decomposition temperature [°C]</td>
<td>data not available</td>
</tr>
<tr>
<td>Lower explosive limit</td>
<td>data not available</td>
</tr>
<tr>
<td>Upper explosive limit</td>
<td>data not available</td>
</tr>
<tr>
<td>Oxidation properties</td>
<td>data not available</td>
</tr>
<tr>
<td>Vapour pressure [hPa]</td>
<td>&lt; 0,1kpa</td>
</tr>
<tr>
<td>Vapour density</td>
<td>&gt; 1 (air = 1)</td>
</tr>
<tr>
<td>Relative density [g.cm⁻³]</td>
<td>&gt; 0,85</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>not soluble</td>
</tr>
<tr>
<td>Solubility (solvents) [g.l⁻¹]</td>
<td>data not available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>data not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>data not available</td>
</tr>
</tbody>
</table>

9.2 Other information

### SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

|       | data not available |

10.2 Chemical stability

|       | stable under proposed conditions of use and storage |

10.3 Possibility of hazardous reactions

|       | data not available |

10.4 Conditions to avoid

|       | data not available |

10.5 Incompatible materials

|       | strong oxidisers |

10.6 Hazardous decomposition products

|       | In case of fire: see section 5. |

### SECTION 11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Acute toxicity LD₅₀</th>
<th>Oral</th>
<th>ATEmix: &gt; 20 000 mg/kg</th>
<th>(1,4-diazabicyclooctane /rat: 1870 mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal</td>
<td>Data not available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Data not available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation

|       | Causes skin irritation. (calculation) |

Eye damage/irritation

|       | May cause long lasting harmful effects to aquatic life. (calculation) |

Sensitisation

<table>
<thead>
<tr>
<th>Skin</th>
<th>May cause an allergic skin reaction. (calculation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory system</td>
<td>Data not available</td>
</tr>
</tbody>
</table>

Mutagenity

|       | No evidence |

Reproduction toxicity

|       | No evidence |
Carcinogenity
No evidence

STOT SE
Data not available

STOT RE
Data not available

Aspiration toxicity
Data not available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Aquatic toxicity
May cause long lasting harmful effects to aquatic life. (calculation)

12.2 Persistence and degradability
Data not available

12.3 Bioaccumulative potential
Data not available

12.4 Mobility in soil
Data not available

12.5 PBT a vPvB
Data not available

12.6 Other adverse effects
contains product of petroleum, may float on the surface of water and inhibit the oxygen/air access for water organisms

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:
Waste, contaminated absorbent material and contaminated packaging dispose in accordance with current regional legislation as dangerous waste (incineration plant).
Contaminated packaging dispose as dangerous waste.

SECTION 14. TRANSPORT INFORMATION

UN number
No dangerous good according to the transport regulations.
UN proper shipping name
-
Transport hazard class (es)
-
Packing group
-
Environmental hazards
-
Special precautions for user
-
Transport in bulk
-

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Regulation No 1272/2008 of EP and Council on classification, labelling and packaging of substances and mixtures
Regulation No 453/2010 of Commission on Safety Data Sheet


Candidate list substances (according to Annex XIV of EP and Council Regulation 1907/2006 REACH): none

15.2 Chemical safety assessment: no assessment

SECTION 16. OTHER INFORMATION

Revision: -

Wording of H-statements from section 3:
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation.
H413 May cause long lasting harmful effects to aquatic life.

* classification added in accordance with article 4 of regulation no.1272/2008

Requirements for packaging in case of selling to the general public: none