**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** SCIGRIP® 3 Low VOC Solvent Cement for Bonding Acrylics

**PRODUCT USE:** Low VOC Solvent Cement for Bonding Acrylics "FOR INDUSTRIAL USE ONLY, NOT FOR HOME, SCHOOL OR RECREATIONAL USE"

**SUPPLIER:** SCIGRIP Adhesives Ltd

**MANUFACTURER:** IPS Corporation

**Unit 22, Bental Business Park, Glover Rd**

**Washington, Tyne&Wear, NE37 3JD, UK**

**Tel +44 191 419 6444**

**EMERGENCY:** Transportation: CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International)

**Medical:** CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International)

**SECTION 2 - HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION:**

- **Acute Toxicity:**
  - Category 2
  - Skin Irritation: Category 2
  - Skin Sensitization: NO
  - Eye Irritation: Category 2A
  - Carcinogenicity: Category 1B

**Hazard Statements**

- H315: Causes skin irritation
- H336: May cause drowsiness or dizziness
- H341: Suspected of causing genetic defects
- H410: Very toxic by inhalation
- H412: Harmful to aquatic life with long lasting effects

**Precautionary Statements**

- P233: Avoid breathing dust, fume, gas, mist or vapor
- P264: Wash contaminated clothing before reuse
- P270: Wear protective gloves/protective clothing/eye protection/face protection
- P305+P351+P338: If breathed, move victim to fresh air and keep at rest in a position they find comfortable

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

**CAS#**  | **EINECS #** | **REACH** | **CONCENTRATION**
---|---|---|---
75-09-2 | 200-838-9 | 17-2118926076-39-0000 | 75 - 90
79-01-6 | 201-167-4 | N/A | 5 - 15
80-62-6 | 05-2116297313-37-0000 | 1 - 2

**SECTION 4 - FIRST AID MEASURES**

- **Contact with eyes:** Wash eyes immediately with plenty of water for at least 15 minutes and seek medical advice immediately.
- **Skin contact:** Wash skin with soap and water. If irritation develops, get medical attention.
- **Inhalation:** Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.
- **Ingestion:** Do not induce vomiting. Seek medical advice immediately.

**Likely Routes of Exposure:** Inhalation, Eye and Skin Contact

**Acute symptoms and effects:**

- Excessive exposure may cause irritation to nose and throat. In confined areas, vapor can accumulate and cause unconsciousness.

- **Eye Contact:** May cause moderate eye irritation which may be slow to heal. May cause slight corneal injury. Vapor may cause mild discomfort and redness.

- **Skin Contact:** Prolonged contact may cause skin burns. May cause more severe response on covered skin (under clothing and gloves).

- **Ingestion:** Low toxicity if small amount swallowed, however larger amounts may cause injury. Aspiration into the lungs may occur during ingestion or vomiting.

**Chronic (long-term) effects:**

**JARC Classification 2B (Methylene Chloride)**

**SECTION 5 - FIREFIGHTING MEASURES**

**Suitable Extinguishing Media:** Water fog or fine spray, carbon dioxide, dry chemical or foam.

**Unsuitable Extinguishing Media:** Hydrogen chloride, trace amounts of chlorine, phosgene.

**Exposure Hazards:** Inhalation and dermal contact.

**Combustion Products:** Hydrogen chloride, trace amounts of chlorine, phosgene.

**Protection for Firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

- Follow all precautionary information on container label, product bulletins and solvent bonding literature.

**Environmental Precautions:**

- Keep container tightly closed.

**Methods for Cleaning up:**

- Mop or soak up immediately. Place in properly labeled metal containers.

**Materials not to be used for clean up:** Zinc, Aluminum or plastic containers

**SECTION 7 - HANDLING AND STORAGE**

- **Handling:** Avoid breathing of vapor, avoid contact with eyes, skin and clothing. Do not swallow. Use with adequate ventilation.

- **Storage:** Store below 80°F (27°C).

**Safety - Solvent bonding literature:**

- Use chemical goggles. If exposure causes eye discomfort, use a full face respirator.

**Respiratory Protection:**

- Prevent inhalation of the solvents. Use a self-contained breathing apparatus in a well ventilated room. Open doors and windows to ensure air flow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above.

**With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.**

**SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION**

**EXPOSURE LIMITS:**

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH 8 h-TLV</th>
<th>ACGIH 15 min-STEL</th>
<th>OSHA 8 h-PEL</th>
<th>OSHA 15 Min-STEL</th>
<th>OSHA PEL-Ceiling</th>
<th>CAL/OSHA 8 h-PEL</th>
<th>CAL/OSHA 15 Min-STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Chloride</td>
<td>50 ppm</td>
<td>N/E</td>
<td>25 ppm</td>
<td>N/E</td>
<td>25 ppm</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>100 ppm</td>
<td>N/E</td>
<td>125 ppm</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Methyl Methacrylate Monomer</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>100 ppm</td>
<td>N/E</td>
<td>25 ppm</td>
<td>N/E</td>
<td>N/E</td>
</tr>
</tbody>
</table>

**Engineering Controls:**

- Provide general and/or local exhaust ventilation to control airborne levels below exposure guidelines.

- Local exhaust ventilation may exist in areas with poor ventilation.

**Monitoring:**

- Maintain breathing zone airborne concentrations below exposure limits.

**Personal Protective Equipment (PPE):**

- Use chemical goggles. If exposure causes eye discomfort, use a full face respirator.

**Skin Protection:**

- Prevent contact with the skin as much as possible. Use protective clothing resistant to this material. Remove contaminated clothing immediately, wash skin area with soap and water and launder clothing before reuse or dispose of properly.

**Respiratory Protection:**

- Prevent inhalation of the solvents. Use a self-contained breathing apparatus in a well ventilated room. Open doors and windows to ensure air flow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above.

- With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.
Methyl Methacrylate Monomer, Stabilized (MMA)

Appearance: Clear, thin liquid
pH: Not Applicable
Melting/Freezing Point: -96.7°C (<142.1°F) (Methylene Chloride)
Boiling Point: 39.8°C (104°F) based on first boiling component: Methylene Chloride
Flash Point: None (Methylene Chloride)
Specific Gravity: 1.33 @23°C (73.4°F)
Solubility: 1.3% @ 25°C (Methylene Chloride)
Partition Coefficient n-octanol/water: Not Available
Auto-Ignition Temperature: 556°C (1033°F) (Methylene Chloride)
Decomposition Temperature: Not Applicable
VOC Content: When applied as directed, per SCAQMD Rule 1168, VOC content is ≤250 g/l.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Odor: Irritating

Incompatible Materials:
- Oxidizers, strong bases, amines, metals such as zinc powders, aluminum or magnesium powders, potassium sodium.
- Other: Depending on temperature and air supply, may include hydrogen chloride, trace amounts of chlorine, phosphgene.


toxic, Suspected Carcinogen

R36/38: Irritating to eyes and skin. Oral: 5650 mg/kg (rat)
Oral: 1500-2500 mg/kg (rat), Dermal: Not Determined
Inhalation: 7 hrs. >10000 PPM (rat), STOT SE3
Inhalation 4 hrs. 12000 PPM (rat), STOT SE3
Inhalation: 7 hrs. >10000 PPM (rat), STOT SE3

7/5/2017 / Updated GHS Standard Format

DISPOSAL

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

DISPOSAL

Disposal should be in accordance with applicable regional, national and local laws and regulations. Contact your supplier or a licensed contractor for detailed recommendations. Do not re-use empty containers.

TDG INFORMATION

EXCEPTION for Ground Shipping

MDL Limited Quantity: Up to 4L per inner packaging, 30 kg gross weight per package.
Consumer Commodity: Depending on packaging, these quantities may qualify under DOT as "ORM-D".

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Dichloromethane (mixture)

Toxicity to fish: LC50: 41 mg/l 72 h
Toxicity to daphnia: EC50 18 mg/l - 48 h
Toxicity to algae: EC50: P. subcapitata (green algae) 175 mg/l - 96 h

Mobility: No Data Available
Degradability: No Data Available
Bioaccumulation: Does Not Bioaccumulate
Other: Harmful to aquatic life with long lasting effects

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable regional, national and local laws and regulations. Contact your supplier or a licensed contractor for detailed recommendations. Do not re-use empty containers.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name: Dichloromethane (mixture)

Secondary Risk: None

Marine Pollution: NO

STORAGE

Avoid open flames, welding arcs, or other high temperature sources. Avoid direct sunlight.

STABILITY AND REACTIVITY

Stable under recommended storage conditions. (See Section 7)

Incompatible Materials:
- Oxidizers, strong bases, amines, metals such as zinc powders, aluminum or magnesium powders, potassium sodium.
- Other: Depending on temperature and air supply, may include hydrogen chloride, trace amounts of chlorine, phosphgene.

SECTION 10 - STABILITY AND REACTIVITY

Conditions to avoid:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Contact your supplier or a licensed contractor for detailed recommendations. Do not re-use empty containers.

LIMITED QUANTITY:

Based on first boiling component: Methylene Chloride

UEL: 250 g/l.

TDG INFORMATION

EXCEPTION for Ground Shipping

MDL Limited Quantity: Up to 4L per inner packaging, 30 kg gross weight per package.
Consumer Commodity: Depending on packaging, these quantities may qualify under DOT as "ORM-D".

SECTION 15 - REGULATORY INFORMATION

Precautionary label Information:
- Toxic, Suspected Carcinogen

Exposure limit:
- Threshold Limit Value (TLV): OSHA 25 ppm (Methylene Chloride)
- American Conference of Governmental Industrial Hygienists (ACGIH): 25 ppm (Methylene Chloride)

Risk Phrases:
- R23: Harmful by inhalation.
- R24: Harmful by skin absorption.
- R25: Harmful by ingestion.
- R26: Harmful if swallowed.
- R36/37: Irritating to eyes and skin.
- R38: Irritating to eyes and respiratory system.
- R40: Limited evidence of a carcinogenic effect
- R41: Suspected of causing genetic harm

Safety Phrases:
- S2: Keep out of the reach of children.
- S36: Wear suitable protective clothing and equipment.
- S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S53: Avoid exposure - obtain special instructions before use.
- S61: Avoid release to the environment. Refer to special instructions/Safety Data Sheets.

Written notification is required to the EPA once annually when this product is exported to a new country.

SECTION 16 - OTHER INFORMATION

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.