SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SCIGRIP® 3 Low VOC Solvent Cement for Bonding Acrylics (TAP ACRYLIC CEMENT)

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, Benton Business Park, Glover Rd
Washington, Tyne&Wear, NE37 3JD, UK
Tel +44 191 419 6444

EMERGENCY: 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
Precautionary Statements

Exposure Limits:

Component | ACGIH 8 hr-TLV | ACGIH 15 min-STEL | OSHA 8 hr-PEL | OSHA 15 Min-STEL | OSHA PEL-Ceiling | CAL/OSHA 8 hr-PEL | CAL/OSHA Ceiling | CAL/OSHA 15 Min-STEL

Methylene Chloride | 50 ppm | 100 ppm | 100 ppm | N/E | 125 ppm | N/E | N/E | 25 ppm | 100 ppm
Trichloroethylene | 50 ppm | 100 ppm | 100 ppm | N/E | N/E | N/E | N/E | 25 ppm | 100 ppm
Methyl Methacrylate Monomer | 50 ppm | 100 ppm | 100 ppm | N/E | N/E | N/E | N/E | 25 ppm | 100 ppm

Engineering Controls: Provide general and local exhaust ventilation to control airborne levels below exposure guidelines.

Monitoring: Maintain breathing zone airborne concentrations below exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: 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 chemically resistant to this material. Remove contaminated clothing immediately, wash skin area with soap and water and launder clothing before reuse. 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 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid, Pin liquid
Odor: Irritating
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 10 - STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions. (See Section 7)
Hazards to decomposition products: Depending on temperature and air supply, may include hydrogen chloride, trace amounts of chlorine, phosgene.
Conditions to avoid: Avoid open flames, welding arcs, or other high temperature sources. Avoid direct sunlight.
Incompatible Materials: Oxidizers, strong bases, amines, metals such as zinc powders, aluminum or magnesium powders, potassium sodium.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicity: 
Methylene Chloride (dichloromethane) Ld50 Oral: 1500-2500 mg/kg (rat) Dermal: Not Determined Lc50 Inhalation 7 hrs. >10000 PPM (rat) STOT SE3
Trichloroethylene Oral: 5650 mg/kg (rat) Inhalation 4 hrs. 12000 PPM (rat) STOT SE3
Methyl Methacrylate Monomer, Stabilized (MMA) Oral: 7900 mg/kg (rat), Dermal: >35000 mg/kg (rabbit) Inhalation 3 hrs. 7093 PPM (rat) STOT SE3

Reproductive Effects: Not Established
Teratogenicity: Not Established
Mutagenicity: Category 2
Embryotoxicity: Not Established
Sensitization to Product: Not Established
Synergistic Products: Not Established

Methylene Chloride: Suspected Human Carcinogen IARC: 2B - Group 2B: Possibly carcinogenic to humans NTP: Reasonably anticipated to be a human carcinogen OSHA: Specifically regulated carcinogen
Trichloroethylene: Possible Human Carcinogen IARC: 1 - Group 1: Carcinogenic to Humans NTP: Reasonably anticipated to be a human carcinogen

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: 
Thrichloroethylene (TCE) Species Test Results
Toxicity to fish LC50-Pimephales promelas (fathead minnow) 41 mg/l -96 h
Toxicity to daphnia EC50 WaterFlea (Daphnia magna) 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)
Rated Class: 6.1
Secondary Risk: None
Identification Number: UN 1593
Packaging Group: PG III
Label Required: Toxic (Domestic USA and International)
Marine Pollutant: NO

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information: Toxic, Suspected Carcinogen
Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia.
Symbols: 
 risk phrases: R36/38: Irritating to eyes and skin. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R40: Limited evidence of a carcinogenic effect R45: May cause cancer
R46: Vapors may cause drowsiness and dizziness
R45: May cause cancer
Safety Phrases: S2: Keep out of the reach of children. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S23: Do not breathe gas/fumes/vapour S53: Avoid exposure - obtain special instructions before use.
S24/25: Avoid contact with skin and eyes. 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

Specification Information:
Department issuing data sheet: IPS, Safety Health & Environmental Affairs
All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
Training necessary: Yes, training in practices and procedures contained in product literature.
Reissue date / reason for reissue: 7/5/2017 / Updated GHS Standard Format

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.