



# GHS SAFETY DATA SHEET

## SCIGRIP® 16 Solvent Cement for Bonding Acrylics

Date Revised: **MAR 2020**  
Supersedes: **JAN 2020**

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SCIGRIP® 16 Solvent Cement for Acrylic  
**PRODUCT USE:** Solvent Cement for Bonding Acrylics "FOR INDUSTRIAL USE ONLY, NOT FOR HOME, SCHOOL OR RECREATIONAL USE"

**RESTRICTIONS ON USE:** No relevant information available

**Toxic Substance Control Act (TSCA) Restriction of Use: Methylene chloride**

*This chemical /product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.*

**SUPPLIER:** **MANUFACTURER:** **SCIGRIP Smarter Adhesive Solutions**  
600 Ellis Road, Durham, NC 27703 - USA  
P.O. Box 12729, Research Triangle Park, NC 27709 - USA  
Tel. 1-919-598-2400

**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:

Health		Environmental		Physical	
Acute Toxicity:	Category 3	Acute Toxicity:	None Known	Flammable Liquid	Category 2
Skin Irritation:	Category 3	Chronic Toxicity:	None Known		
Eye Irritation:	Category 2				
Carcinogenicity	Category 2				

#### GHS LABEL:



**Signal Word:**  
**Warning**

#### Hazard Statements

H225: Highly flammable liquid and vapor  
H319: Causes serious eye irritation  
H315 + 317: Causes skin irritation. May cause an allergic skin reaction  
H335: May cause respiratory irritation  
H336: May cause drowsiness or dizziness  
H351: Suspected of causing cancer  
EUH066: Repeated exposure may cause skin dryness or cracking

#### Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P233: Keep container tightly closed  
P261: Avoid breathing dust/fume/gas/mist/vapors/spray  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P337+P313: If eye irritation persists: Get medical advice/attention  
P403: Store in a well ventilated place.  
P501: Dispose of contents/container in accordance with local regulation

#### Response

P301+310: IF SWALLOWED: Immediately call a POISON CENTER/Medical Attention  
P331: Do NOT induce vomiting.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+313: IF exposed or concerned: Get medical advice/attention.

**Restrictions on Use (United States):** Methylene chloride: This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS	EINECS	REACH Registration Number	CONCENTRATION % by Weight
Methylene Chloride*# (Dichloromethane)	75-09-2	200-838-9	01-2119480404-41-0000	30 - 60
Methyl Acetate	79-20-9	201-185-2	01-2119459211-47-0000	10 - 15
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	01-2119457290-43-0000	10 - 30
Methyl Methacrylate Monomer*, Stabilized (MMA)	80-62-6	201-297-1	01-2119452498-28-0000	0 - 2

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from that listing.  
\* Indicates this chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372).  
# indicates that this chemical is found on Proposition 65's List of chemicals known to the State of California to cause cancer or reproductive toxicity.

### SECTION 4 - FIRST AID MEASURES

**Contact with eyes:** Flush eyes immediately with plenty of water for 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.

### SECTION 5 - FIREFIGHTING MEASURES

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

	HMIS	NFPA	
Health	2	2	0-Minimal
Flammability	3	3	1-Slight
Reactivity	1	1	2-Moderate
			3-Serious
			4-Severe

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Clear all personnel from area. Do not breathe vapors. Ventilate area of leak or spill. Wear protective equipment positive pressure self contained or air supplied breathing apparatus. Follow confined space entry procedures.  
**Environmental Precautions:** Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.  
**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. Do not cut, drill, grind, weld or perform similar operations on or near empty containers. Vapors of this product are heavier than air and will collect in low areas. Do not eat, drink or smoke while handling.  
**Storage:** Store in a dry place. Keep container tightly closed when not in use. Store below 80°F (27°C). Follow all precautionary information on container label, product bulletins and solvent bonding literature.

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

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	N/E	25 ppm	125 ppm	N/E	N/E	N/E	N/E
	Methyl Acetate	200 ppm	250 ppm	200 ppm	250 ppm	N/E	200 ppm	N/E	250 ppm
	Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm	300 ppm	N/E	200 ppm	N/E	300 ppm
	Methyl Methacrylate Monomer	50 ppm	100 ppm	100 ppm	N/E	N/E	50 ppm	100 ppm	N/E

**Engineering Controls:** Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines. Lethal concentrations may exist in areas with poor ventilation

**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 or dispose of properly.

**Respiratory Protection:** Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure airflow 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.



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## SCI GRIP® 16 Solvent Cement for Bonding Acrylics

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### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear, medium syrupy liquid	<b>Odor Threshold:</b>	5.4 ppm (MEK)
<b>Odor:</b>	Ketone		
<b>pH:</b>	Not Applicable		
<b>Melting/Freezing Point:</b>	-99C (-146°F) (Methyl Acetate)		
<b>Boiling Point:</b>	39.8°C (104°F) Based on first boiling component: Methylene Chloride	<b>Evaporation Rate:</b>	> 1.0 (BUAC = 1)
<b>Flash Point:</b>	-10°C (14°F) (Methyl Acetate)	<b>Flammability:</b>	None
<b>Specific Gravity:</b>	1.107 @23°C ( 73.4°F)	<b>Flammability Limits:</b>	<b>LEL:</b> 1.4% (MEK) <b>UEL:</b> 22% (Methylene Chloride)
<b>Solubility:</b>	32g/100g H <sub>2</sub> O (Methyl Acetate)	<b>Vapor Pressure:</b>	355 mmHG @ 20C (Methylene Chloride)
<b>Partition Coefficient n-octanol/water:</b>	Not Available	<b>Vapor Density:</b>	>2.0 (Air = 1)
<b>Auto-ignition Temperature:</b>	454°C (849°F) (Methyl Acetate)		
<b>Decomposition Temperature:</b>	Not Applicable		
<b>VOC Content:</b>	When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤250 g/l.		

### SECTION 10 - STABILITY AND REACTIVITY

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

### SECTION 11 - TOXICOLOGICAL INFORMATION

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

#### Acute symptoms and effects:

<b>Inhalation:</b>	Excessive overexposure may cause irritation to nose and throat. In confined areas, vapor can accumulate and can cause unconsciousness.
<b>Eye Contact:</b>	May cause moderate eye irritation which may be slow to heal. May cause slight corneal injury. Vapor may cause mild discomfort and redness.
<b>Skin Contact:</b>	Prolonged contact may cause skin burns. May cause more severe response on covered skin (under clothing and gloves).
<b>Ingestion:</b>	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:

IARC Classification 2B (Methylene Chloride)

Toxicity:	LD50	LC50	Target Organs
Methylene Chloride (dichloromethane)	Oral: 1500- 2500 mg/kg (rat) ; Dermal: Not Determined	Inhalation 7 hrs. >10000 PPM (rat)	STOT SE3
Methyl Acetate	Oral: > 5000 mg/kg (oral/rabbit)	Inhalation 4 hrs. 12000 PPM (rat)	STOT SE3
Methyl Ethyl Ketone (MEK)	Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)	Inhalation 8 hrs. 23,500 mg/m <sup>3</sup> (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	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

#### Acute Toxicity

Methyl Ethyl Ketone (MEK)	Acute (Oral) Toxicity: None	Acute (Dermal) Toxicity: None	Acute (Inhalation) Toxicity: None
Methylene Chloride	Acute (Oral) Toxicity: Nausea, vomiting, risk of aspiration upon vomiting., Aspiration may cause pulmonary oedema & pneumonitis.		
	Acute (Dermal) Toxicity: None	Acute (Inhalation) Toxicity: Possible damages:, mucosal irritations	

**Specific Target Exposure Toxicity (Single Exposure):** Category 3

**Specific Target Exposure Toxicity (Repeated Exposure):** Not Applicable

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Methylene Chloride-Prop 65	Not Established	Not Established	Not Established	Not Established	Not Established

#### Carcinogenicity:

Methylene Chloride - IARC Classification 2B  
Methylene Chloride (CAS# 75-09-2) is on the Proposition 65's List of chemicals known to the State of California to cause cancer or reproductive toxicity.

**Aspiration Hazard:** Based on available data, the classification criteria are not met.

### SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	LC50	LC50	EC50
<b>Acute Aquatic Toxicity</b>	Pimephales promelas (fathead minnow); 96-hour	Daphnia magna (water flea); 48-hour	Pseudokirchneriella subcapitata (microalgae) Growth rate inhibitor
Methyl Ethyl Ketone	> 100 mg/L	> 100 mg/L	2,029 mg/l - 96 hour

**Mobility in Soil:** If released into the environment, this product can move rapidly through the soil.

**Degradability:** Does not degrade rapidly based on quantitative tests. (Tetrahydrofuran)

**Bioaccumulation:** This product and its degradation products are not known to bioaccumulate..

**Results of PBT and vPvB assessment:** PBT: Not applicable. vPvB: Not applicable

**Other adverse effects:** No relevant information available.

### SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Dispose of waste and containers in compliance with applicable Federal, State, Provincial, and Local regulations. Consult disposal expert.

### SECTION 14 - TRANSPORT INFORMATION

**Proper Shipping Name:** Adhesives

**Hazard Class:** 3

**Secondary Risk:** None

**Identification Number:** UN 1133

**Packing Group:** PG II

**Label Required:** Class 3 Flammable Liquid

**Marine Pollutant:** NO

#### EXCEPTION for Ground Shipping

**DOT Limited Quantity:** Up to 5L per inner packaging, 30 kg gross weight per package.

**Consumer Commodity:** Depending on packaging, these quantities may qualify under DOT as ORM-D

#### TDG INFORMATION

TDG CLASS:	FLAMMABLE LIQUID 3
SHIPPING NAME:	ADHESIVES
UN NUMBER/PACKING GROUP:	UN 1133, PG II

### SECTION 15 - REGULATORY INFORMATION

**Precautionary Label Information:** Flammable, Harmful, Suspected Carcinogen  
**Symbols:** F, Xn  
**Ingredient Listings:** USA TSCA, Europe EINECS, Canada DSL, Australia, AICS, Korea ECL/TCL, Japan MITI (ENCS), **CA Prop 65**

**Compliance Statement:** This SDS was prepared to be in accordance with:  
US OSHA Hazard Communication Standard 29 CFR 1910.1200 (Rev 2012)  
Canadian Workplace Hazardous Materials Information System (WHMIS) 2015  
European Regulation (EC) No (EU) 2015/830 on classification, labelling and packaging of substances and mixtures

#### Toxic Substance Control Act (TSCA) Restriction of Use: Methylene chloride

This chemical /product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

#### OSHA SPECIFICALLY REGULATED SUBSTANCES:

OSHA 29 CFR 1910.1052 (Methylene chloride); The U.S. Department of Labor, Occupational Safety and Health Administration specifically regulates manufacturing, handling and processing of Methylene chloride. Such regulations have been published at 29 CFR 1910.1052

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  
**E-mail address:** <EHSinfo@ipscorp.com>  
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:** 3/25/2020 / Updated GHS Standard Format

**Intended Use of Product:** Solvent Cement for Bonding Acrylics **"FOR INDUSTRIAL USE ONLY, NOT FOR HOME, SCHOOL OR RECREATIONAL USE"**

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.