SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Countertop Rodding Adhesive

PRODUCT USE: Structural adhesive bonding

SUPPLIER: MANUFACTURER: IPS Corporation
600 Ellis Road, Durham, NC 27703 - United States
P.O. Box 12729, Research Triangle Park, NC 27709 - USA
Tel. 1-919-598-2400

EMERGENCY: Transportation: CHEMTEL Tel. 800.255-3924, 813-248-0585 (International)
Medical: Tel. 800.451.8346, 760.602.8703 3E Company (International)

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Health Acute Toxicity: Category 3
Skin Sensitization: Category 1
Eye: Category 1

Environmental Chronic Toxicity: Category IV

Physical Flammable Liquid: Category 2
Corrosive

GHS LABEL:

Hazard Statements
H225: Highly flammable liquid and vapour
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H335: May cause respiratory irritation
P233: Keep container tightly closed
P262: Do not get in eyes, on skin, or on clothing
P271: Use only outdoors or in a well-ventilated area
P280: Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements
P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P262: Do not get in eyes, on skin, or on clothing

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS# EINECS # CONCENTRATION

Methyl Methacrylate Monomer (MMA),* Stabilized 80-62-6 201-297-1 05-2116297731-37-0000 20 - 40
Methacrylic Acid 79-41-4 201-204-4 05-2116297727-26-0000 1 - 10

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).

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: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation develops, seek medical advice.
Inhalation: Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.
Ingestion: Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.

Unsuitable Extinguishing Media: Water spray or stream.

Exposure Hazards: Inhalation and dermal contact


Protection for Firefighters: Self-contained breathing apparatus or full-face positive pressure air-supply masks.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep away from heat, sparks and open flame.

Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment.

Prevent contact with skin or eyes (see section 8).

Environmental Precautions: Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.

Methods for Cleaning up: Contain spill with sand or other inert adsorbent or absorbent material. Use non-sparking tools.

Transfer to a closable vessel (Metal or polyethylene [PE]).

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid breathing of vapor, avoid contact with eyes, skin and clothing.

Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods.

Do not eat, drink or smoke while handling.

Storage: Store in ventilated room or shade and away from direct sunlight. Keep container tightly closed when not in use.

Keep away from ignition sources and incompatible materials. Follow all precautionary information on container label and product bulletins.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS: ACGIH TLV ACGIH STEL OSHA PEL OSHA STEL

Component

Methyl Methacrylate Monomer 50 ppm 100 ppm N/E 100 ppm N/E 50 ppm 100 ppm N/E 100 ppm N/E
Methacrylic Acid 20 ppm skin

Engineering Controls: Use local exhaust as needed.

Monitoring: Maintain breathing zone airborne concentrations below exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Avoid contact with eyes, wear splashproof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields.

Skin Protection: Prevent contact with the skin as much as possible. Butyl rubber gloves should be used for frequent immersion.

Use of solvent-resistant gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.

Respiratory Protection: Use in a well-ventilated room. 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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GHS SAFETY DATA SHEET
Countertop Rodding Adhesive

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white paste
Odor: Pungent odor
pH: Not Applicable
Boiling Point: 100.5°C (212.9°F) Based on first boiling component: MMA
Flash Point: 11.5°С (52.7° F) T.C.C. based on MMA
Specific Gravity: 1.52 @23°C (73°F)
Solubility: Slight in Water (MMA, MAA)
Auto-ignition Temperature: 421°С (789.8°F): MMA
Decomposition Temperature: Not Applicable

Odor Threshold: 0.75 ppm: MMA
Evaporation Rate: > 1.0 (BUAC = 1)
Flammability: Category 2
Flammability Limits: LEL: 1.6% based on MMA
UEL: 12.5% based on MMA
Vapor Pressure: 28 mm Hg @ 20°C (68°F): MMA
Vapor Density: > 3.0 (Air = 1)
VOC Content: ≤ 50 g/l mixed

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable, unless heated
Hazardous decomposition products: None in normal use. Oxides of carbon, oxides of nitrogen, hydrogen chloride, hydrocarbons,
asphalt smoke and gases upon combustion.
Conditions to avoid: Keep away from direct sunlight, heat, sparks, open flame and other ignition sources.
Incompatible Materials: Reducing and oxidizing agents and metal contaminants

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalaion, Eye and Skin Contact
Acute symptoms and effects:
Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
Eye Contact: Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.
Skin Contact: Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.
Ingestion: May cause nausea, vomiting, diarrhea and mental sluggishness.
Chronic (long-term) effects: None known to humans
Toxicity: LD50
Methyl Methacrylate Monomer (MMA) Oral: 7900 mg/kg (rat), Dermal: >35000 mg/kg (rabbit) Inhalation: 3 hrs. 7933 PPM (rat)
Methacrylic Acid Oral: 1600 mg/kg (rat), Dermal: 500 mg/kg (rabbit) Inhalation: 6.7 mg/l (rat)

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult local 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

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”.

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information: Highly Flammable, Harmful
Symbols: F, Xn
Risk Phrases: R-11 Highly Flammable, R-20 Harmful by inhalation, R-21 Harmful if contact with skin, R-22 Harmful if swallowed
Safety Phrases: S-2 Keep out of reach of children, S-7 Keep container tightly closed when not in use, S-9 Keep container in a well-ventilated place, S-15/16 Keep away from heat and sources of ignition. No smoking

Temperature Limit for Methyl Methacrylate (MMA): LN 1133, PG II

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: 1/18/2012 Modified GHS Standard Format
Intended Use of Product: Structural adhesive bonding
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.