siplast®

MATERIAL SAFETY DATA SHEET

HMIS
H = 2
F = 3
R = 2
PPE = See Section 8

VOC: Max. content less than 50 g/L (catalyzed)

Section I

Manufacturer:	**Siplast, an Icopal Group Company**
	(800) 643-1591 or (800) 922-8800
Address:	**1000 E. Rochelle Blvd., Irving, TX 75062-3940**
Emergency Phone No.:	**CHEMTREC, (800) 424-9300 (U.S.), (703) 527-3887 (outside of U.S.)**
Product Class:	**Liquid-applied Waterproofing System - Component**
Trade Name:	**Pro Color Finish - Gray & Beige**

Section II - Ingredients

Ingredient	Percent	ACGIH TLV / TWA	OSHA PEL
Methyl methacrylate CAS #80-62-6	30 - 40	50 ppm 205 mg/m^3	100 ppm
Ethylhexyl acrylate CAS #103-11-7	15 - 25	10 ppm 82 mg/m^3 German MAK	Not Available
Various Acrylates and polyacrylates CAS #Confidential	30 - 40	Not Available	100 ppm
1,1'-(p-Tolylimino)-dipropan-2-ol CAS #38668-48-3	<2	Not Available	Not Available
1-Isopropyl-2,2dimethyl-trimethylenedissobutyrate CAS #6845-50-0	<2	Not Available	Not Available
Titanium Dioxide CAS #13463-67-7	1 - 12	10 mg/m^3	15 mg/m^3 (total dust)
Quartz CAS #14808-60-9	3 - 5	0.025 mg/m^3 respirable dust	0.1 mg/m^3 respirable dust
Iron Oxide CAS #1309-37-1	< = 1	5 mg/m^3 (respirable dust)	80 mg/m^3 %SiO_2+2

Crystalline Silica as Quartz has been found to be carcinogenic according to NTP and IARC. This same component is not classified as carcinogenic by OSHA. See Section V.

Section III - Physical Data

Physical Form: Liquid
Odor: Methyl methacrylate
Color: Gray & Beige
Ignition Point: 536°F (280°C)
Solubility in H_2O: Insoluble
Vapor Pressure: 1000 hPA @ 50°C
Viscosity: Efflux time 25-30 sec @ 20°C (DIN beaker, 6 mm opng.)
Density: Approximately 1.05 g/ml @ 21°C

Section IV - Fire and Explosion Data

DOT Category: UN1263
Flash Point: >50°F (10°C)
Packaging Group: II
Hazard Class: 3
Extinguishing Media: Foam, carbon dioxide, dry powder, high-pressure water spray. Use water spray only to cool containers in fire area.
Special Procedures: Use self-contained breathing apparatus and full protective clothing.

Section V - Health Hazard Data

Summary of Risks: This product is harmful when inhaled or ingested and can cause skin, eye, and respiratory irritation as well as skin and respiratory sensitization.
Target Organs: Skin and eye contact with liquids, and inhalation.
This product contains:
Methyl methacrylate and ethylhexyl acrylate may cause skin, eye, and respiratory irritation. High concentrations can cause symptoms of central nervous system depression, such as headache, nausea, dizziness, drowsiness, and confusion.
Both acrylates can cause dermal and respiratory sensitization. Once a person is sensitized, contact with even a small amount may cause outbreaks of dermatitis with symptoms such as skin redness, itching, rash, and swelling. This can spread from the hands or arms to other parts of the body. Persons with respiratory sensitization can experience symptoms of bronchial asthma such as wheezing, difficult breathing, sneezing and runny or blocked nose at low airborne concentrations that have no effect on unsensitized people.

Various acrylates and polyacrylates may cause skin, eye, and respiratory irritation and sensitization.

Amorphous silicon dioxide, titanium dioxide, and iron oxide, because of their particulate properties may cause mechanical irritation to the eye and respiratory passages. These materials have ACGIH and OSHA exposure limits. However, this product is sold as a liquid preparation and, when used as intended, does not generate dust. Thus the product as such does not pose a respiration hazard attributable to these components.

1,1'-(p-Tolylimino)-dipropan-2-ol is toxic when ingested or inhaled (no target organ provided).

LD_{50} oral, rat for 1,1'-(p-Tolylimino)-dipropan-2-01: 100 mg/kg

1-Isopropyl2,2dimethyltrimethylenediisobutyrate may cause skin irritation.

Crystalline silica as Quartz may cause mechanical irritation of the eyes. High concentrations of dust may cause coughing and mild, temporary irritation. Quartz dust can accumulate in the lungs. Prolonged or repeated exposure to fine airborne crystalline silica dust may cause severe scarring of the lungs, a disease called silicosis. However, this product is sold as a liquid preparation and, when used as intended, does not generate dust. Thus, the product as such does not pose a respiration hazard attributable to these components.

CARCINOGENICITY:
NTP: Yes (Quartz - See entry above)
IARC: Yes (Quartz - See entry above)
OSHA: No

Emergency and First Aid Procedures:
SKIN: Remove contaminated clothing and shoes. Wash with soap or mild detergent and large amounts of water. Do not use solvents or thinners. Get medical attention if irritation occurs. Wash clothing before reuse.
EYES: Hold eyes open and flush for at least 15 minutes with large amounts of water. Seek medical attention.
INHALATION: Remove to fresh air immediately. If breathing has stopped, give artificial respiration. If breathing is difficult, administer oxygen. Consult physician if irritation of respiratory passage occurs.
INGESTION: Do not induce vomiting. Give two glasses of water to dilute stomach contents. Never give anything by mouth to an unconscious person. Consult physician immediately.

Section VI - Reactivity Data

Stability: Stable __X__ Unstable _____
Materials to Avoid: Avoid strong acids, bases, and oxidizing agents to avoid exothermic reactions. Avoid initiators that produce free radicals, and avoid peroxides and metal-ions.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of nitrogen, hydrocarbon by-products, and black smoke.
Polymerization: Avoid high temperatures. Product may polymerize at > 140°F. Polymerization is exothermic and may cause container damage and/or fire.

Section VII - Spill or Leak Procedures

Steps to be Taken: Wearing appropriate personal protective equipment, contain spills onto inert absorbent and place in suitable containers.
Waste Disposal Method: Incinerate or dispose of in accordance with Federal, State or Local regulations.

Avoid contamination of ground water or waterways.

Section VIII - Special Protection Information

Respirator: If airborne concentration poses a health hazard, becomes irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134.
Skin Protection: Clothing suitable to prevent skin contact.
Use butyl rubber gloves and apply barrier creams. Do not use PE or PVC gloves as these materials absorb acrylates. Check suitability recommendations by protective equipment manufacturers, especially toward chemical breakthrough resistance.
Eye Protection: Safety goggles with side shields.
Engineering Controls: Use local exhaust ventilation or respiratory protection to maintain employee exposure below TLV.

Section IX - Special Precautions

Handling and Storage:
Storage: Store closed containers in cool, dry area away from heat, direct sunlight, oxidizing agents, and strong acids and alkalis. Keep away from open fire, flame, or any ignition source. Keep in well-ventilated areas.
Handling: Do not smoke. Keep away from open fire, flame, or any ignition source. Vapors may form explosive mixtures with air. Avoid skin and eye contact. Avoid breathing fumes. Do not eat, drink, or smoke in application area.

Note: Entries under Section IX cover only those regulations typically addressed in the MSDS generating process, such as TSCA and EPCRA/SARA Title III.

The components of this product are incompliance with the TSCA Chemical Inventory rules.

This product contains the toxic chemical listed below, which is subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (EPCRA/"SARA") and the requirements of 40 CFR Part 372.

PRODUCT	CAS #	MAX %
Methyl methacrylate	80-62-6	40