



DERBIGUM®
MAKING BUILDINGS SMART

Material Safety Data Sheet

Product: *DERBIGUM SDC Surface*

MSDS Date: 6-30-10
Product Name: DERBIGUM SDC Surface
Manufacturer: DERBIGUM Americas, Inc.

I. Product and Company Description

DERBIGUM Americas, Inc.
4821 Chelsea Ave.
Kansas City, MO 64130

Emergency Phone Number:
(800) 424-9300 CHEMTREC

For Product Information:
(800) 541-5455

Product Description:
Coating

II. Chemical Composition

Component	CAS#	%Composition
Methyl methacrylate	80-62-6	25-50
2-ethylhexyl acrylate	103-11-7	25-50
Butyldiglykolmethacrylat	7328-22-5	2.5-10
Stoddard solvent	8052-41-3	<0.5
1,1'-(p-tolylimino)dipropan-2-ol	38668-48-3	<0.5

III. Hazards Identification

A. Emergency Overview:

Physical Appearance and Odor:
Product specific colored liquid with characteristic odor

B. Potential Health Effects:

Acute Eye:
May cause irritation.

Acute Skin:
May cause irritation.

Acute Inhalation:
May cause irritation to the respiratory tract.

Acute ingestion:



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May cause gastrointestinal damage if swallowed.

Chronic effects:
ND

IV. First Aid Measures

First Aid Measures for Accidental Exposure:

Eye Exposure:

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. Remove contact lenses after flushing.

Skin Exposure:

Wash affected area with soap and water. Get medical attention if irritation develops or persists.

Inhalation:

Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion:

Give large quantities of water. Never give anything by mouth to an unconscious person.

V. Fire Fighting Measures

Fire Hazard Data:

Flash Point: 10°C (50°F)

Method Used: N/A

Ignition Temperature: 245°C (473°F)

Flammability Limits (vol/vol%): Lower: 0.8 Upper: 12.5

Extinguishing Media:

Water fog, foam, or CO₂

Special Fire Fighting Procedures:

Ensure that extinguishing agent does not enter waterways after fire.

Unusual Fire and Explosion Hazards:

Product is not explosive. However, formation of explosive air/ vapor mixtures is possible.

Hazardous Decomposition Materials (Under Fire Conditions):

Combustion produces carbon monoxide, carbon dioxide, carbon, and water. Other trace gases that may be released include methyl methacrylate, esters, hydrocarbons and alcohols.

VI. Accidental Release Measures

Cleanup and Disposal of Spill:



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Wearing proper personal protective equipment (Section VIII), stop the leak, if possible. Keep unauthorized persons away from spill area. Shut off or remove all ignition sources. Construct a dike to prevent spill from entering sewers, soil or waterways. Once contained, spread absorbent material over area.

Dispose of materials according to the applicable Federal, State, or local regulations.

VII. Handling and Storage

Handling:

Use with adequate ventilation.

Storage:

Store in a well-ventilated, cool, dry place. Keep containers closed. Avoid excessive heat and ignition sources.

VIII. Exposure Controls / Personal Protection

Exposure Guidelines:

Component	Exposure limits		
	ACGIH	NIOSH	OSHA-PELs
Methyl methacrylate	TWA 100 ppm	100 ppm (410 mg/m ³) TWA	100 ppm (410 mg/m ³) TWA
2-ethylhexyl acrylate	ND	ND	ND
Butyldiglykolphacrylat	ND	ND	ND
Stoddard solvent	TWA 100 ppm	350 mg/m ³ TWA, 1,800 mg/m ³ ceiling (15-min)	500 ppm; 2900 mg/m ³
1,1'-(p-tolylimino)dipropan-2-ol	ND	ND	ND

Engineering Controls:

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

Respiratory Protection:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or EN approved respirator when necessary.

Eye / Face Protection:

Wear appropriate safety glasses with side shields or chemical goggles as described by OSHA's eye and face protection regulations in 29CFR 1910.133 or European Standard EN166.

Skin Protection:

Chemical resistant gloves recommended, such as neoprene or nitrile rubber. Body covering clothing should be utilized

IX. Physical and Chemical Properties



Product: *DERBIGUM SDC Surface*

Physical Appearance:	Product specific colored liquid
Odor:	Characteristic
pH:	ND
Specific Gravity:	ND
Water Solubility:	Not miscible
Melting Point Range:	ND
Boiling Point Range:	101°C (214°F)
Vapor Pressure:	47.0 hPa
Density:	1.080 g/cm ³

X. Stability and Reactivity

Chemical Stability:
Stable under standard use and storage conditions.

Conditions to Avoid:
None

Materials / Chemicals to be Avoided:
None

Hazardous Decomposition Products:
None

Hazardous Polymerization:
Should not occur

XI. Toxicological Information

Acute Oral Toxicity:
ND

Acute Dermal Toxicity:
ND

Acute Inhalation Toxicity:
ND

Chronic Toxicity:
ND

XII. Ecological Information

Ecotoxicological Information:
Degradation: Not Determined
Accumulation: Not Determined
Fish-Toxicity: Not Determined

Chemical Fate Information:
Not Determined



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XIII. Disposal Considerations

Waste Disposal Method:

Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

Container Handling and Disposal:

Dispose of container and unused contents in accordance with federal, state, and local regulations.

XIV. Transportation Information

US Department of Transportation Shipping Name:

US Department of Transportation	Proper Shipping Name	Methyl Methacrylate Monomer, Stabilized
	Hazard Class	3
	ID Number	UN 1247
	Packaging Group	II

XV. Regulatory Information

Federal Regulations:

SARA Title III Hazard Classes:

Fire Hazard: YES
 Reactive Hazard: NO
 Release of Pressure: NO
 Acute Health Hazard: YES
 Chronic Health Hazard: YES

SARA Section References:

Section 302 (RQ)
 None of the chemicals in this material have an RQ.
 Section 302 (TPQ)
 None of the chemicals in this product have a TPQ.
 Section 313

This substance is listed under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) (also referred to as the Toxics Release Inventory (TRI)).
 Listed Name(s): Methyl methacrylate.

Toxic Substances Control Act (TSCA): All components are included in the inventory or are not required to be listed.

Other Regulations:

State:

The components identified with an X are present on the respective state's Right To Know lists:

Component	MA	PA	MI	NJ
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Component	MA	PA	MI	NJ
Methyl methacrylate	X	X		X
2-ethylhexyl acrylate	X	X		
Butyldiglykolmethacrylat				
Stoddard solvent	X	X		X
1,1'-(p-tolylimino)dipropan-2-ol				

California Prop. 65: None of the chemicals in this product are listed.

XVI. Other Information

National Fire Protection Association Hazard Ratings – NFPA(R):

Health Hazard: 3
Flammability: 3
Reactivity: 0

Key Legend Information:

N/A – Not Applicable
ND – Not Determined
ACGIH – American Conference of
Governmental Industrial Hygienists
OSHA – Occupational Safety and Health
Administration

TLV – Threshold Limit Value
PEL – Permissible Exposure Limit
TWA – Time Weighted Average
STEL – Short Term Exposure Limit
NTP – National Toxicology Program
IARC – International Agency for Research on
Cancer

The information contained herein is based on the data available to us and is believed to be correct. However DERBIGUM Americas, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.