Safety Data Sheet
SealOn 200

Version 1.0
Date: 05/29/2015

1. Product and company Information

Product Name	: SealOn 200
Product Number	: 200
Product Description	: Resin Solution
Manufacturer/ Importer/Distributor	: Master Terrazzo Technologies 8000 Bristol Pike-Levittown, PA P.O. Box 226 Bristol, PA 19007
Telephone	: 1-215-949-1474
Fax	: 1-215-949-9422
Emergency telephone Number	: Chemtel-800-255-3924 Contract #MIS0004752

2. Hazards Identification

GHS Classification

Flammable liquids	: Category 2
Acute toxicity (Inhalation)	: Category 4
Acute toxicity (Dermal)	: Category 4
Skin irritation	: Category 2
Eye irritation	: Category 2A
Specific target organ toxicity -single exposure	: Category 3 (Respiratory system)
Specific target organ toxicity -repeated exposure	: Category 2 (Liver, Kidney, Central nervous system)
Aspiration hazard	: Category 1

GHS Label element

Hazard pictograms :

Signal word : **Danger**

Hazard statements : H225 Highly flammable liquid and vapor.

: H304 May be fatal if swallowed and enters airways.
: H312+H332 Harmful in contact with skin or if inhaled.
: H315+H320 Causes skin and eye irritation.
: H335 May cause respiratory irritation.
: H371 May cause damage to organs.

Precautionary statements : **Prevention:**
P210 Keep away from open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P242 Use only non-sparking tools.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/eye protection/face protection.
Response:
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.
P370+P378 In case of fire: use dry sand, dry chemical or alcohol-resistant foam for extinction.
Storage:
P403+P235 store in a well-ventilated place. Keep cool.
P405 store locked up.
Disposal:
P501 dispose of contents/container to an approved waste disposal plant.

Emergency Overview

Appearance	Liquid
Color	Clear, colorless
Odor	Sweet, aromatic, hydrocarbon-like
Hazard summary	No information available.

3. Composition/ Information on Ingredients

Chemical nature: Acrylic Resin Solution

This product is a mixture/substance

Hazardous Components

Component	CAS No	%
Acrylic Polymer (s)	Not hazardous	<20

Mixed xylenes	1330-20-7	60-80
Propylene Glycolmonomethylether Acetate	108-65-6	10-20

Acrylic Resin Solutions. The remaining components are trade secrets.

4. First Aid measures

General advice : Show this safety data sheet to the doctor in attendance.
Symptoms of poisoning may appear several hours later.

If inhaled : If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing.

If swallowed : Keep respiratory tract clear. Do NOT induce vomiting. Take victim immediately to hospital.

5. Firefighting Measures

Suitable Extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical

Unsuitable extinguishing media : High volume water jet.

Specific hazards during firefighting : Do not allow run-off fire-fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known.

Specific extinguishing methods : Use a water spray to cool fully closed containers.
Further information : Collect contaminated fire extinguishing water separately. This must not be discharged unto drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.

Special protective equipment : Wear self-contained breathing apparatus for firefighting if necessary.

NFPA Flammable and Combustible Liquids Classification:

Flammable Liquid Class IC

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.

Evaluate personnel to safe areas.
Beware of vapours accumulated to form explosive concentrations. Vapours can be accumulate in low areas.

Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for : Contain spillage, and collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13).

7. Handling and Storage

Advice in safe handling : Avoid formation of aerosol. Do not breath vapours/dust. Avoid exposure-obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, drinking and eating should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations/ working materials must comply with the technological safety standards.

8. Exposure Controls/ Personal Protection

Components with workplace control parameters

CAS No.	Components	Value type (Form of exposure)	Control parameters/ Permissible concentration	basis
1330-20-7	Mixed xylenes	TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		TWA	100 ppm 453 mg/m3	OSHA Z-1

Chemical name	Type	Exposure limit values	Source
2-methoxy-1-methylethyl acetate	TWA	50 ppm	U.S. AIHA Workplace Environmental Exposure Level (WEEL) Guides (2009)

Personal protective equipment

Respiratory protection : No personal respiratory equipment normally required. In case of vapour formation use a respirator with an approved filter.

Hand protection remarks : The suitable for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection	: Eye wash bottle with pure water. Tightly fitting safety goggles. Wear face-shield and protective suit and protective suit for abnormal processing problems.
Skin and body protection	: Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

Appearance	: Liquid
Color	: clear, colorless
Odor	: sweet, aromatic, hydrocarbon-like
Odor threshold	: No data available.
pH	: not applicable
Melting point/range	: No data available.
Boiling point/range	: No data available.
Flash point	: 81°F (27°C)
Evaporation rate	: No data available.
Flammability (solid, gas)	: Not applicable.
Burning rate	: No data available.
lower explosion limit	: 7% (V)
Vapor pressure	: 7 mmHg @ 68 °F (20 °C)
Relative vapor density	: No data available.
Relative density	: 0.93 Reference substance: (water=1)
Density	: 7.76 lb /gal
Bulk density	: No data available.
Water solubility	: Negligible.
Solubility in other solvents	: No data available.

10. Stability and Reactivity

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No hazards to be specially mentioned.
Conditions to avoid	: Keep away from heat, flame, sparks, and other ignition sources.
Incompatible materials	: Strong oxidizing agents.

11. Toxicological information

Acute toxicity
Components:
1330-20-7:

Acute oral toxicity	: LD50 (rat, male): 3,523 mg/kg Method: EU Method B.! (Acute Toxicity, Oral) GLP: no
Acute inhalation toxicity	: LD50 (rat, male):6700 ppm Exposure time: 4h Method: Directive 67/548/ EEC, Annex V, B.2. Assessment: the component/mixture is moderately toxic after short term inhalation.
Acute dermal toxicity	: LD50 (rabbit): 1,100 mg/kg Assessment: the component/mixture is moderately toxic after single contact with skin.

Skin corrosion/irritation
Product:
Result: Irritation to skin.

Components:
1330-20-7:
Species: rabbit
Exposure time: 24 h
Result: Irritation to skin.

Serious eye damage/eye irritation
Product:
Result: Irritation to eyes.

Components:
1330-20-7:
Species: rabbit
Result: Irritation to eyes.

Respiratory or skin sensitization
Components:

1330-20-7:
Remarks: No data available.

Germ cell mutagenicity
Components:
1330-20-7:

Genotoxicity in vitro	: Test Type: Chromosome aberration test in vitro Test species: Chinese hamster ovary (CHO) Metabolic activation: with and without metabolic activation Method: Mutagenicity (in vitro mammalian cytogenetic test). Result: negative
	: Test Type: Sister chromatid exchange assay in mammalian cells Test species: Chinese hamster ovary (CHO) Metabolic activation; with and without metabolic activation Result: negative
Genetoxicity in vivo	: Test Type: Dominant lethal assay Test species: mouse Application Route: Subcutaneous Exposure time: 8 wk. Dose: 1.0 mL/kg Method: OECD Test Guideline 478 Result: negative GLP: no
Germ cell mutagenicity-Assessment	: Animal testing did not show any mutagenic affects.

Carcinogenicity
Components:
1330-20-7:
Species; mouse (male and female)
Application Route: 103 wk.
Dose: 0,500 or 1000 mg/kg
Frequency of treatment: 5 days/ week
Method; Directive 67/548 EEC, Annex V, B.32.
Result: did not display carcinogenic properties.
GLP: No data available.

Carcinogenicity-Assessment : Animal tested did not show any carcinogenic effects.

Reproductive toxicity
Components:
1330-20-7:

Effects on fertility	: Test Type: Two-generation study Species: rat (male and female) Application Route: Inhalation Dose; 0,25,100 and 500 ppm Duration of single Treatment: 6 h Frequency of treatment: 7 days/week

General toxicity-Parents: NOAEC: >500 ppm
General Toxicity F1: NOAEC:>500 ppm
Early Embryonic Development: NOAEC: >500 ppm
Result: No reproductive effects.

Effects on fatal development : Species: rat
Application Route: Inhalation
Dose: 0,100,500,1000 or 2000 ppm
Duration of single treatment: 14 d
Frequency of treatment: 6 hr/day
General toxicity material: NOAEC: 500 ppm
Teratogenicity: NOAEC: >2,000
Developmental toxicity: NOAEC: 100 ppm
Result: No teratogenic effects., Developmental toxicity occurred at maternal dose levels.

Reproductive toxicity-Assessments : Animal testing did not show any effects on fertility. Damage to fetus not classifiable.

STOT-single exposure
Product: No data available
Components:
1330-20-7:

Exposure routes	Target organs	Assessment
Inhalation	Respiratory system	May cause respiratory irritation., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

STOT-repeated exposure
Product: No data available
Components:
1330-20-7:

Exposure routes	Target organs	Assessment
	Liver, Kidney, Central nervous system	May cause damage to organs through prolonged or repeated exposure., The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Repeated dose toxicity
Components:
1330-20-7:
Species: rat (male and female)
NOAEL:250 mg/kg
Application Route: Oral
Exposure time: 103 wk.
Number of exposures: 5 d/wk.
Dose: 0,250 or 500 mg/kg
Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Aspiration toxicity
Components:
1330-20-7:
May be fatal if swallowed and enters airways.

Further information
Product:
Remarks: Solvents may degrease the skin.

12. Ecological Information

Ecotoxicity effects

Aquatic toxicity	: No data is available on the product itself.
Toxicity to other organisms	: No data available.

Persistence and degradability

Biodegradability	: No data is available on the product itself.
Mobility	: No data available.
Bioaccumulation	: No data is available on the product itself.

13. Disposal Considerations

Disposal methods

Waste from residues	: dispose of in accordance with all applicable local, state, and federal regulations. For assistance with your waste management needs including disposal, recycling and waste stream reduction, contact Master Terrazzo Technologies at 215.949.1474.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch, or the empty drum.

14. Transport Information

IATA (International Air transport Association): UN1307, XYLENES, 3, III, Flash point 81°F (27°C)
IMDG (International Maritime Dangerous Goods): UN1307, XYLENES, 3, III
DOT (Department of Transportation): UN1307, XYLENES, 3, III

15. Regulatory Information

OSHA Hazards	: Flammable liquid, Moderate skin irritant, Moderate eye irritant, Carcinogen, Harmful by skin absorption., Moderate respiratory irritant.
WHMIS Classification	: B2: Flammable liquid D2B: Toxic Material Causing Other Toxic Effects.

EPCRA-Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS No	Component RQ (lbs)	Calculated product RQ (lbs)
Mixed xylenes	1330-20-7	100	100

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard
Chronic Health Hazard

The components of this product are reported in the following inventories:

United States TSCA Inventory	**:**	y (positive listing) (on TSCA Inventory)
Canadian Domestic Substances List (DSL)	**:**	y (positive listing) (all components of this product are on the Canadian DSL).

16. Other Information

NFPA rating
Health : 2
Flammability : 3
Instability : 0

HMIS Rating
Health : 2
Flammability : 3
Physical hazard : 0

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