



Safety Data Sheet

SealOn 212

Version 1.0
Date: 05/29/2015

1. Product and company information

Product Name : SealOn 212
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 : Category 4
(Inhalation)
Specific target organ toxicity : Category 3
-single exposure
Acute aquatic toxicity : Category 3

GHS Classification Scale (1=severe hazard; 4=slight hazard)

GHS Label element

Hazard pictograms :



Signal word :

Danger

Hazard statements :

H225 Highly flammable liquid and vapor.
H332 Harmful inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
Harmful to aquatic life.

Precautionary statements

: Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection

Response:

P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/ Physician if you feel unwell.

Storage:

P403+P235 store in a well-ventilated place. Keep cool.

P405 store locked up.

Other hazards

Hazards Not Otherwise Classified (HNOC)

Repeated exposure may cause skin dryness or cracking.

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
TER-Butyl Acetate	540-88-5
P-Chlorobenzotrifluoride	98-56-6

The specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First Aid measures

General advice

: Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician/doctor if necessary. Show this safety data sheet to the doctor in attendance.

If inhaled

: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Call a physician.

In case of skin contact

: Remove contaminated clothing as needed. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first. Seek medical attention if ill effect or irritation develops.

In case of eye contact	: Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.
If swallowed	: If large quantity swallowed, give lukewarm water (pint/ ½ litre) if victim completely conscious/alert. Do not induce vomiting. Risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention.

5. Firefighting Measures

Suitable Extinguishing media	: Alcohol-resistant foam Carbon dioxide (CO ₂) Dry chemical
Unsuitable extinguishing media	: Do not use waterjet as an extinguisher, or solid water stream, as this may spread fire.
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.
General fire hazards	: Flammable liquid and vapor.

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 vapors accumulated to form explosive concentrations. Vapors 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

Handling

Advice on safe handling : Use only non-sparking tools.
 Extinguish all ignition sources.
 Carefully vent any internal pressure before removing closure.
 Containers must be properly grounded before beginning transfer.
 Handle empty containers with care; vapor/residue may be flammable.
 All equipment must conform to applicable electrical code.
 This material may attack some forms of plastics, rubbers, and coatings.
 Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair.
 Check atmosphere for explosiveness and oxygen deficiencies.
 Wear recommended personal protective equipment.
 Observe precautions pertaining to confined space entry.
 Do not breathe vapors or spray mist.

Advice on protection against fire and explosion : Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 Take precautionary measures against static discharge.

Storage

Requirements for storage areas and containers : Store closed drums with bung in up position.
 Store only in tightly closed, properly vented containers away from heat, sparks, open flame and strong oxidizing agents. Containers must be properly grounded before beginning transfer. This material may attack some forms of plastics, rubbers, and coatings. Consult supplier(s) of these materials for specific recommendations. Steel drums are recommended for packaging.

8. Exposure Controls/ Personal Protection

Control parameters

Ingredients with workplace control parameters
Occupational Exposure Limits

Ingredients	CAS-No	Type	Limit Value	Basis Revision Date
Tert-Butyl acetate	540-88-5	TWA	200 ppm	US (ACGIH) 2012
Tert-Butyl acetate	540-88-5	IDLH	1,500 ppm	NIOSH September 2007
	Remarks: 10% LEL			
Tert-Butyl acetate	540-88-5	TWA	200 ppm 950 mg/m3	US (OSHA) June 23, 2006

Biological limit values : No biological exposure limits noted for the ingredient (s).
 Appropriate engineering controls : Explosion-proof general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection : Wear safety glasses with side shields (or goggles).
Skin protection

Hand protection	: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other	: Wear suitable protective clothing.
Respiratory protection	: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Thermal hazards	: Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	: When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and Chemical Properties

Appearance	: Liquid
Color	: clear, colorless
Odor	: odorless
Odor threshold	: No data available.
pH	: not applicable
Melting point/range	: No data available.
Boiling point/range	: No data available.
Flash point	: 39°F (4°C)
Evaporation rate	: No data available.
Flammability (solid, gas)	: Not applicable.
Burning rate	: No data available.
lower explosion limit	: No data available.
Vapor pressure	: No data available.
Relative vapor density	: No data available.
Relative density	: 1.21 Reference substance: (water=1)
Density	: 10.12 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:

540-88-5

Acute oral toxicity	: Based on acute toxicity values, not classified. : High doses may cause CNS depression (fatigue dizziness and possible loss of concentration, with collapse coma and death in cases of severe over-exposure). : LD50 Oral: 4,500 mg/kg
Acute inhalation toxicity	: Classified Harmful if inhaled. : High vapor concentrations may cause CNS stimulation (increases activity, shaking, tremors) and/or depression (fatigue, dizziness, and possibly loss of concentration, with collapse, coma, and death in cases of severe over-exposure). : LC50: 12.52 mg/l Exposure time: 4 hours Method: Calculation method
Acute dermal toxicity	: Based on acute toxicity values, not classified. : LD50 Dermal :> 2,000 mg/kg
Skin corrosion/irritation	: Based on skin irritation values, not classified. : May cause slight transient skin irritation. : Repeated exposure may cause skin dryness or cracking.
Serious eye damage/eye Irritation	: Based on eye irritation, not classified. : Moderate eye irritation.
Respiratory or skin sensitization	: Respiratory sensitization Not classified No study available : Skin sensitization

Not classified
No adverse effect observed

Chronic toxicity

Carcinogenicity : Not classified
Contains a substance that has a positive carcinogenicity study.
The weight of evidence for the carcinogenicity of this substance does not meet the criteria for classification.

Germ cell mutagenicity : Not classified.
No adverse effect observed.

Reproductive toxicity

Effects on fertility : Not classified.

Effects on or via lactation : No adverse effect observed.

Effects on Development : Not classified.
No adverse effect observed.

Target Organ Systemic Toxicant-single exposure : Classified, may cause respiratory irritation., may cause drowsiness or dizziness.

Target Organ Systemic Toxicant-Repeated exposure : Target Organs: Central nervous system, Respiratory system.

Aspiration hazard : Based on repeated exposure toxicity values, not classified.

Aspiration hazard : based on physico-chemical values or lack of human evidence, not classified.

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

Further information : Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes.
Comply with applicable federal, state and local regulations.

14. Transport Information

DOT

UN number : 1123
 Description of goods : BUTYL ACETATES
 Class : 3
 Packing group : II
 Labels : 3

15. Regulatory Information

Tertiary butyl acetate was excluded from the Federal definition of a VOC (40 C.F.R. § 51.100 (s) (5)) by the U.S. Environmental Protection Agency on November 29, 2004 (69 FR 69304). State and local definitions may vary. If identified components of this product are listed under the TSCA 12 (b) Export Notification rule, they will be listed below.

SARA 302/304

<u>Component</u>	<u>TPQ</u>	<u>RQ</u>
Tert-Butyl acetate		5000 lbs

SARA 311/312

Fire Hazard.
 Immediate (Acute) Health Hazard.

SARA 313

This product contains the following chemicals subject to the reporting requirements of SARA Title III, Section 313 and 40 CFR 372:

<u>Component</u>	<u>Reporting Threshold</u>
Tert-Butyl alcohol	1.0%

State Reporting

This material is not known to contain a chemical substance known to the State of California to cause cancer, reproductive, or developmental toxicity under California Proposition 65. However, MTT has not listed for the presence of listed chemical substances.

This product contains the following chemicals regulated by New Jersey's Worker and Community Right to Know Act:

540-88-5	Tert-Butyl acetate
75-65-0	Tert-Butyl alcohol

This product contains the following chemicals regulated by Massachusetts' Right to Know Law:

540-88-5	Tert-Butyl acetate
75-65-0	Tert-Butyl alcohol
107-39-1	2,4,4-Trimethyl-1-pentene

This product contains the following chemicals regulated by Pennsylvania's Right to Know Act:

540-88-5	Tert-Butyl acetate
75-65-0	Tert-Butyl alcohol
107-39-1	2,4,4-Trimethyl-1-pentene

16. Other Information

NFPA rating

Health	: 1
Flammability	: 3
Instability	: 0

HMIS Rating

Health : 1
Flammability : 3
Physical hazard : 0

Prepared by : Master Terrazzo Technologies
Telephone : 1-215-949-1474
: 800-255-3924 Chemtel
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