

1. Product and Company Identification

Company : Lyons Manufacturing, Inc.
 Address : 8900 Forney Rd, Dallas, TX 75227
 Telephone : 214.381.8100
 Emergency Phone : 800.255.3924 (ChemTel)
 Article Number : SA
 Product Use : Concrete Surfacers

2. Hazards Identification/Exposure Limits

Classification of the substance or mixture: The product is not classified as hazardous according to the Globally Harmonized System (GHS).

Additional information: There are no other hazards not otherwise classified that have been identified. 0 percent of the mixture consists of ingredient(s) of unknown toxicity.

Label elements

GHS label elements: The product is not classified as hazardous according to OSHA GHS regulations within the United States.

Hazard pictograms: Not regulated

Precautionary statements: Not regulated

Hazard statements: Not regulated

Hazard-determining components of labeling: None

Signal word: Not regulated

Hazard description:

WHMIS-symbols: Not hazardous under WHMIS.

Classification system:

HMIS® ratings (scale 0 - 4)

Health:	0
Fire:	0
Reactivity:	0

NFPA ratings (scale 0 - 4)

Health:	0
Fire:	0
Reactivity:	0



Other hazards:

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. Composition/Information On Ingredients

Chemical characterization: Mixtures.

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components: None in reportable quantities.

Additional information: For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

4. First Aid Procedures

Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Clean with water and soap. If skin irritation is experienced, consult a doctor.

4. First Aid Procedures (cont.)

After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

Information for doctor:

Most important symptoms and effects, both acute and delayed:

Slight irritant effect on eyes.

Slight irritant effect on skin and mucous membranes.

Gastric or intestinal disorders when ingested.

Danger: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. Firefighting Measures

Extinguishing media:

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: None.

Special hazards arising from the substance or mixture: Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters:

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information: No further relevant information available.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

For large spills, wear protective clothing.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Environmental precautions: Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and Storage

Handling:

Precautions for safe handling: Prevent formation of aerosols. Use only in well ventilated areas. Avoid splashes or spray in enclosed areas.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles: Avoid storage near extreme heat, ignition sources or open flame.

7. Handling and Storage (cont.)

Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidizing agents.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

Specific end use(s): No further relevant information available.

8. Exposure Controls/Personal Protection

Additional information about design of technical systems: No further data; see section 7.

Control parameters

Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Do not inhale gases/fumes/aerosols. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Engineering controls: No further relevant information available.

Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation. For spills, respiratory protection may be advisable.

Protection of hands:



Protective gloves: Wear protective gloves to handle contents of damaged or leaking units. The glove material has to be impermeable and resistant to the product, substance, or preparation.

Eye protection:



Safety glasses.

Body protection: Not required under normal conditions of use. Protection may be required for spills.

Limitation and supervision of exposure into the environment: No special requirements.

Risk management measures: No special requirements.

9. Physical and Chemical Properties

Information on basic physical and chemical properties:

General Information:

Appearance:

Form:	Liquid.
Color:	White.
Odor:	Mild.
Odor threshold:	Not determined.
pH-value:	9.5 - 10.5

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100°C (212°F)

Flammability (solid, gaseous):	Not applicable.
Auto-ignition temperature:	Not determined.
Auto igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Flash point:	>64.5°C (>148°F) Not applicable - does not support sustained combustion.

9. Physical and Chemical Properties (cont.)

Explosion limits:

Lower: Not determined.
Upper: Not determined.

Vapor pressure at 20°C (68°F): 24.3 hPa (18 mm Hg)

Density: Not determined.

Relative density: Not determined.

Vapor density at 20°C (68°F): 1 g/cm³ (8.345 lbs/gal)

Evaporation rate: Not determined.

Solubility in / miscibility with water: Partly soluble.

Partition coefficient (n-octanol/water):

Not determined.

Viscosity:

Dynamic at 20°C (68°F): < 400 mPas

Kinematic: Not determined.

Other information:

No further relevant information available.

10. Stability/Reactivity

Reactivity:

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications. To avoid thermal decomposition do not overheat.

Possibility of hazardous reactions: Toxic fumes may be released if heated above the decomposition point. Reacts with strong acids and oxidizing agents.

Conditions to avoid: Keep away from heat and direct sunlight. Store away from oxidizing agents.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide. Sulfur oxides (SO_x)

11. Toxicological Information

Information on toxicological effects:

Acute toxicity:

LD/LC50 values that are relevant for classification: None.

Primary irritant effect:

On the skin: Slight irritant effect on skin and mucous membranes.

On the eye: Slight irritant effect on eyes.

Sensitization: No sensitizing effects known.

Subacute to chronic toxicity: No further relevant information available.

Additional toxicological information: The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to manufacturer experience and the information provided to manufacturer.

Carcinogenic categories:

NTP (National Toxicology Program): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

Probable Routes of Exposure: Inhalation. Eye contact. Skin contact.

Repeated Dose Toxicity: No further relevant information available.

12. Ecological Information

Toxicity:

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Other adverse effects: No further relevant information available.

13. Waste Disposal Information

Waste treatment methods:

Recommendation: Smaller quantities can be disposed of with household waste. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14. Transportation Information

UN-Number

DOT, ADR, ADN, IMDG, IATA: Not regulated.

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA: Not regulated.

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA Class: Not regulated.

Packing group

DOT, ADR, IMDG, IATA: Not regulated.

Environmental hazards:

Marine pollutant: No.

Special precautions for user: Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

UN "Model Regulation": -

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

United States (U.S.A.)

SARA

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

Some ingredients listed.

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Carcinogenic categories:

EPA (Environmental Protection Agency):

None of the ingredients are listed.

IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

State Right to Know Listings:

None of the ingredients are listed.

15. Regulatory Information (cont.)

Canadian substance listings:

Canadian Domestic Substances List (DSL):

Some ingredients listed.

Canadian Ingredient Disclosure list (limit 0.1%):

None of the ingredients are listed.

Canadian Ingredient Disclosure list (limit 1%):

None of the ingredients are listed.

Other regulations, limitations and prohibitive regulations: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Chemical safety assessment: A chemical safety assessment has not been carried out.

16. Other Information

This information is based on manufacturers present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: U.S. Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (U.S.A.)

HMIS: Hazardous Materials Identification System (U.S.A.)

WHMIS: Workplace Hazardous Materials Information System (Canada)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent