

SAFETY DATA SHEET

1. IDENTIFICATION

- 1.1 Product identifier
 Trade name : PSC 2551 Concrete Modifier "R"
 Synonyms : None
- 1.2 Recommended use of the product and restrictions on use
 Recommended use : Industrial Use, Water based emulsion polymers for use in concrete modification.
 Non- recommended use(s) : None known
- 1.3 Details of the supplier of the safety data sheet
 Company : Polymer Science Corporation.
 : Unit 1133, 6027 – 79 Avenue S.E
 : Calgary, Alberta, Canada T2C 5P1
 Telephone : 403 287 2751
 Fax : 403 287 2766
 Website : www.polymersciencecorp.com
- 1.4 Emergency telephone number
 Emergency : In case of emergency call CANUTEC: 613-996-6666

2. HAZARD IDENTIFICATION

- 2.1 Classification of the substance or mixture
 Skin Sensitization : Category 1
- 2.2 Label Elements
 Symbol :



- Signal word : Warning
 Hazard statement : May cause an allergic skin reaction
 Precautionary Statements : Wear protective gloves / protective clothing / eye protection / face protection.
 Prevention : Avoid breathing dust/fume/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves
- Precautionary Statements : Wear protective gloves / protective clothing / eye protection / face protection.
 Response : Get medical advice/attention if you feel unwell
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse
- Precautionary Statements : Dispose of contents/container to an approved waste disposal plant.
 Disposal : Harmful to aquatic life with long lasting effects
 Harmful to aquatic life

3. COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 Substances
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- 3.2 Mixtures

Chemical Name	C.A.S.#	Concentration
Ammonium hydroxide	1336-21-6	<0.55

4. FIRST AID MEASURES

- EYE CONTACT:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. If eye irritation persists: Get medical attention.
- SKIN CONTACT:** Wash with soap and water or use waterless hand cleaners. Do not use solvents or thinners to clean skin. Get medical attention if irritation persists.
- INHALATION:** Should symptoms develop, remove victim to fresh air. If breathing is difficult, qualified personnel may administer oxygen. If victim is

INGESTION: not breathing start artificial respiration. Get medical attention.
Give water if victim is conscious. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed by a physician. Immediately call a POISON CENTER / Doctor. Treat symptomatically

5 FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media
Suitable extinguishing media : Dry chemical, CO₂, water spray or regular foam
Unsuitable extinguishing media : Full water jet, because this may spread the fire.
- 5.2 Hazards
Flammable properties and hazards : Product is not considered a fire hazard. Containers can build up pressure if exposed to heat.
Hazardous combustion products : Hazardous decomposition products formed under fire conditions are Carbon dioxide and Carbon monoxide.
- 5.3 Fire-fighting instructions:
Do not inhale combustion gases. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures.
Use personal protective equipment. Wear chemical safety glasses, rubber boots and heavy rubber gloves.
Ensure adequate ventilation
- 6.2 Environmental precautions
Do not allow to enter drains, waterways, sewers, basements or confined areas.
Do not discharge into the subsoil / soil. Absorb spills with inert material and place in a chemical waste container.

7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling
Avoid all personal contact. Use personal protective equipment. Use adequate ventilation.
- 7.2 Hygiene considerations.
Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Wash contaminated clothes before reuse. Do not eat, drink or smoke when handling this product.
- 7.3 Safe storage procedures
Keep away from heat. Keep containers tightly closed in a dry well ventilated place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 EXPOSURE GUIDELINES
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies
- 8.2 EXPOSURE CONTROLS
ENGINEERING CONTROLS
Good general ventilation should be sufficient to control airborne levels. Eyewash Stations.
PERSONAL PROTECTIVE EQUIPMENT
Respiratory Equipment : Normally when good engineering controls are used, no respiratory protection is needed
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations.
Respiratory protection must be provided in accordance with current local regulations
Eye Protection : Use tightly fitting chemical splash goggles. Wear face protection, wear as appropriate.
Hand Protection : Use impermeable gloves. Neoprene gloves
Body Protection : Use impervious clothing and chemical resistant boots. Consider using resistant coveralls and aprons, if extensive exposure is possible.
Other Protective Equipment : Ensure that eyewash stations and safety showers are close to the workstation location.
General Hygiene Consideration : Do not breathe mist or vapor. Avoid all contact. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take contaminated clothes home.
Environmental Exposure Controls : Avoid runoff into storm sewers and ditches which lead to waterways. May be hazardous to the environment if released in large quantities

9 PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: Not Applicable
Vapor Density	: Not Applicable
Boiling Point	: Not Applicable
PH	: 7
Specific Gravity	: 1.0 g/cm ³
Viscosity	: 100 cP
VOC content	: 0
Other Properties	: white milky liquid

10 STABILITY AND REACTIVITY

Stability	: Stable under normal conditions
Hazardous Polymerization	: Will not occur under normal conditions

Conditions to avoid : Protect from freezing
Incompatibility with other materials : None known.

11 TOXICOLOGICAL INFORMATION

- 11.1 Toxicological Information
May cause sensitization by skin contact.
- 11.2 Chronic Toxicological Effects
Skin sensitization.
- 11.3 Irritation or Corrosion
Skin Irritation. Irritating to eyes.
- 11.4 Symptoms related to Toxicological Characteristics
Skin Irritation. Slight Irritant to eyes.

12 ECOLOGICAL INFORMATION

- 12.1 General Ecological Information
Harmful to aquatic life with long lasting effects
53.9100635% of the mixture consists of components(s) of unknown hazards to the aquatic environment.
- 12.2 Ecotoxicity
- 12.3 Ammonium hydroxide 1336-21-6
8.2: 96 h Pimephales promelas. mg/L LC50
0.66: 48 h water flea mg/L EC50
0.66: 48 h Daphnia pulex mg/L EC50
- 12.4 Persistence and degradability
Not readily biodegradeable
- 12.5 Bioaccumulation potential
No data available
- 12.6 Mobility in soil
Not reported, unknown.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Method
Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations.
Do not discharge substance/product into sewage system.

14 TRANSPORTATION INFORMATION

- 14.1 Identification, UN number : Not Regulated
14.2 Shipping Name : Waterbased acrylic emulsion.
14.3 Hazard Class : Not Applicable
14.4 Packing Group : Not applicable

Transport over land ADR/RID : Not regulated for transport
Transport over sea IMDG : Not regulated for transport
Transport by air ICAO/IATA : Not regulated for transport

15 OTHER INFORMATION

Preparation Date : September 09, 2018
SDS prepared by : Polymer Science Corp. 403 287 2751

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