Section I-Product Identification

Starpatch Concrete Products
#5-6420 Beresford Street
Burnaby BC V5E 1B6
Emergency Phone # 1-866-779-5278

Revision Date: March 2025
Product Name
AC900X

Product Use: Bonding agent and mortar additive

Section II- Hazard Identification

Classification of Product

OSHA Regulatory Status:

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance: Milky liquid

Physical state: Liquid

Odor: Slight

Hazards not otherwise classified (HNOC)

Other Information:

Toxic to aquatic life with long lasting effects

Unknown Acute Toxicity

II.IV Precautionary Statements
If swallowed, rinse mouth
If in eyes, rinse with water for several minutes, if require remove contact lenses and continue rinsing.
.
If significant skin irritation or rash occurs, seek medical attention.
II.V Additional Information
Precautions must be observed because burns can occur with little warning and little heat sensation.
II.VI HNOC-Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered. If the product adheres to skin, irritation may occur when it dries.

According to Controlled Products Regulations (CPR) (SOR/88-66) Emergency overview
No particular hazards known.

Section III- Ingredients/Identity Info.

Ingredients	CAS Number	% by Weight
Polyethylene glycol octylphenyl ether	**9036-19-5**	**<40**
Ammonium hydroxide	**1336-21-6**	**<0.5**

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section IV- First Aid Measures

IV.I Description of the first-aid measures General information:

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact: Wash skin with soap and water. Wash contaminated clothing before reuse.

Inhalation: Remove to fresh air.

Ingestion: Clean mouth with water and drink afterwards.

Most important symptoms/effects, acute and delayed:

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed:

Note to physicians:
Treat symptomatically.

Section V- Fire Fighting Measures

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO2, alcohol-resistant foam or water spray.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical: No information available.

Explosion data:
Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section VI- Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation, especially in confined areas.

Environmental precautions:

See section 12 for additional ecological information.

Methods and material for containment and cleaning up:

Prevent further leakage or spillage if safe to do so. Dike far ahead of spill; use dry sand to contain the flow of material.

Methods for cleaning up:

Pick up and transfer to properly labeled containers.

Section VII- Precautions for safe handling and storage

Advice on safe handling:

Handle in accordance with good industrial hygiene and safety practice.

Storage Conditions:

Keep containers tightly closed in a dry, cool and well-ventilated place. None known based on information supplied.

Incompatible materials:

None known based on information known.

Section VIII- Exposure Control Measures/Personal Protection

Exposure Guidelines:

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Appropriate engineering controls:

Engineering Controls	Showers
	Eyewash stations
	Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection: No special technical protective measures are necessary.

Skin and body protection: No special technical protective measures are necessary.

Respiratory protection:

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.

General Hygiene Considerations:

Handle in accordance with good industrial hygiene and safety practice

Section IX- Physical and Chemical Properties

General Information

Appearance:	Form-Granular solid Colour- Gray/white Oder-None
pH value @ 20C	13
Boiling point	NA
Flash Point	NA
Auto Igniting	NA
Density @ 25C	2.5-3.2
Solubility(water)	Insoluble
VOC content	0 g/L VOC

Section X- Stability and Reactivity

X.I Reactivity-No dangerous reaction known under normal conditions of use.

X.II Chemical Stability- Stable under normal storage conditions, keep dry.

X.III Possibility of hazardous reaction- No dangerous reaction known under conditions of normal use.

X.IV Thermal decomposition- No decomposition if used according to specifications

X.V Incompatible material- Contact of silica with strong oxidizing agents such as fluorine, chlorine trifluoride, oxygen difluoride or manganese trioxide may cause fires.

X.VI Hazardous Decomposition or by products- Silica will dissolve in hydrofluoric acid and produce a corrosive gas- silicon tetrafluoride.

Section XI- Toxicological Information

XI.I Routes of Entry: Inhalation, Ingestion, Skin Exposure.

XI.II Symptoms related to physical/chemical/toxicological characteristics;

Inhalation: May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica from this product can cause silicosis.
Skin contact: Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause sensitization by skin contact. Product becomes extremely alkaline when exposed to moisture and can cause alkali burns and affect the mucous membranes.
Eye Contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, marked redness and swelling of the conjunctiva.
Ingestion: Harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

XI.III Delayed, immediate and chronic effect of short term and long term exposure.
Short Term- Skin Corrosion/Irritation: Causes severe skin burns. Serious Eye Damage/Irritation: Causes severe eye damage. Respiratory Sensitization: Not available Skin Sensitization: May cause an allergic skin reaction. Specific Target Organ Toxicity-Single Exposure: (Category 3) may cause respiratory irritation. Aspiration Hazard: Not available
Long Term Carcinogenicity: May cause cancer through chronic inhalation. Germ Cell Mutagenicity: Not available Reproductive Toxicity: Not available Specific Target Organ Toxicity- Repeated Exposure: (Category 1) Causes damage to lungs through prolonged/repeated exposure Synergistic/Antagonistic Effects: Not available.

Section XII- Ecological Information

XII.I Ecotoxicity May cause long-term adverse effects to the aquatic environment.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized

XII.II Persistence and degradability: No further relevant information available.

XII.II Bio accumulative potential: No further relevant information available.

XII.IV Mobility in soil: No further relevant information available.

XII.V Other Adverse Effects: No further relevant information available.

Section XIII- Disposal Considerations

XIII.I Waste Disposal Method:
The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as a hazardous waste under the authority of

the RCRA (40CFR 261) or CERCLA (40CFR 117&302). Disposal must be made in accordance with local, state and federal regulations.

XIII.II Other disposal considerations:
Uncleaned packaging Recommendation: Disposal must be made in accordance with local, state and federal regulations. Recommended cleansing agent: Water, if necessary, with cleansing agents

Section XIV- Transport Information

	DOT (US)	TDG (Canada)
UN-Number	Not Regulated	Not Regulated
UN proper shipping name	Not Regulated	Not Regulated
Transport Hazard Class(es)	Not Regulated	Not Regulated
Packing Group (if applicable)	Not Regulated	Not Regulate

XIV.I Environmental hazards: Not Available
XIV.II Special precautions for user: Do not handle until all safety precautions have been read and understood.

Section XV- Regulatory Information

XV.I Safety, Health and Environmental Regulations/Legislations specific for the chemical

Canada WHMIS Classification: Considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and subject to the requirements of Health Canada's Workplace Hazardous Material Information (WHMIS). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

XV.II US Federal Information

SARA 302/311/312/313 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, 311, 312 or 313.
RCRA: Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR §261 et seq.
CERCLA: Crystalline silica (quartz) is not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR §302.
Emergency Planning and Community Right to Know Act (SARA Title III): Crystalline silica (quartz) is not an extremely hazardous substance under Section 302 and is not a toxic chemical subject to the requirements of Section 313.
FDA: Silica is included in the list of substances that may be included in coatings used in food contact surfaces, 21 CFR §175.300(b)(3)(xxvi).

NTP: Respirable crystalline silica, primarily quartz dusts occurring in industrial and occupational settings, is classified as Known to be a Human Carcinogen.
OSHA Carcinogen: Crystalline silica (quartz) is not listed.

Section XVI- Other Information

Updated: September March 2025

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.