



SAFETY DATA SHEET

Hard Cleaner Concrete System

GENERAL DATA SUPPLIER OR MANUFACTURER

MANUFACTURER INFORMATION:
CORPORATIVO BANDROP SA DE CV

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PRODUCT NAME
HARD CLEANER / CLEANER FOR
CONCRETE

PRODUCT DESCRIPTION
MIXTURE OF LIQUID CLEANING COMPONENTS

SECTION 1.

IDENTIFICATION OF THE DANGEROUS CHEMICAL SUBSTANCE OR MIXTURE:

1.1 Name of the hazardous chemical or mixture: Mixture of sodium metasilicate and nonionic surfactants.

1.2 Other means of identification: Glycoether.

1.3 Recommended use of the hazardous chemical or mixture and restrictions on use: Concrete Floor Cleaner

SECTION 2.

HAZARDS IDENTIFICATION:

2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE ACCORDING TO 29 CFR 1200 (OSHA HCS) AND THE DIRECTIVES OF THE EUROPEAN UNION:

This product meets the definition of a dangerous substance or preparation as defined in 29 CFR 1910.1200 and the Council Directives of the European Union 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent directives.

2.2 Product description: Mixture.

2.3 European Union Classification of Hazardous Ingredients according to Directive 1272/2008/EC: 2.3.1

Assigned Number:

EC# 203-905-0 This substance is not classified as dangerous according to Directive 1999/45/EEC and its amendments. **EC# 600-279-4** This substance is classified as dangerous according to Directive 1999/45/EEC and its amendments.

EC# 203-199-4 This substance is not classified as dangerous according to Directive 1999/45/EEC and its amendments.

2.4 European Union Classification of Hazardous Ingredients according to Directive

1999/45/EC Xi; Annoying R36/38; Irritating to eyes and skin. R22; Harmful if swallowed

S2; Keep out of the reach of children

S37/39; Wear suitable gloves and eye/face protection.

9/3/49; Keep only in the original container, in a cool and well-ventilated place. .

2.5 Classification of the dangerous chemical substance or mixture, according to what the GHS indicates.

2.1.1 GHS CLASSIFICATION:

Precautionary Statement:

Prevention

Physical

Hazards: N/A

Health

Hazards:

H302: Harmful if swallowed; Acute toxicity by ingestion; Category 4.

H315: Causes skin irritation; Skin corrosion/irritation; Category 2.

H320: Causes eye irritation; Serious eye damage/eye irritation; Category 2B.



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Hazard pictograms: GHS07



Warning word.

Causes Skin Irritation.
Causes serious eye irritation

Precautionary Statement: Response

Precautionary advice:

Generals:

P101: If medical advice is needed: Have a product container or label at hand. **P102:** Keep out of the reach of children.

P103: Read the label before use.

Prevention:

P262: Avoid all contact with eyes, on the skin, or on clothing.

P264: Wash thoroughly after handling.

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

Intervention and response:

P302 + P352 If on the skin, wash with plenty of water for at least 20 minutes.

P301 + P330 + P331: If swallowed, rinse mouth, do not induce vomiting.

P361 + P353: If on skin or hair, take off immediately all clothing. contaminated. Rinse skin with water or shower.

P305 + P351 + P338: In case of contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses when present and can be done easily. continue with the wash.

Storage:

P402 + P404: Store in a dry, cool place and in a closed container. **P403 + P235:** Store in a ventilated place. keep cool **P420:** Store separately from incompatible materials.

Elimination:

P501: Delete the content in accordance with current regulations.



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2.6 Other hazards that do not contribute to the classification. Under normal use conditions and in its original form, the product does not have any negative effects on health and the environment.

SECTION 3.

COMPOSITION INFORMATION OF THE COMPONENTS:

3.1 The chemical identity and the concentration or concentration ranges of all the components that are dangerous according to the criteria of this Standard.

3.2 General: Mixture.

3.4 Regulations if applicable in Does not apply.	dangerous component	Symbol / CAS No.	approximate concentration	FDA, NSF, OMRI, and COFEPRIS.
	sodium metasilicate	10213 - 79- 3	10 -15%	
	EB Glycoether	111-76-2	1- 7 %	
	nonionic surfactant	104-40-5	1-3%	
	deionized	7732-18-5	70-80%	
	isopropyl alcohol	67-63-0	1-3%	
	trade secret	————	5-8%	

SECTION 4.

FIRST AID:

4.1 Description of first aid:

Inhalation: Place the victim in the open air, keep warm and at rest, if breathing is irregular or stops, apply artificial respiration.

Skin Contact: Remove contaminated clothing. Wash skin vigorously with soap and water or a suitable skin cleanser. Never use solvents or thinners. **Eye Contact:** Flush eyes copiously with clean, cool water for at least 10 minutes, pulling the eyelids up, and seek medical attention. Do not allow the person to rub the affected eye. **Ingestion:** If swallowed, rinse your mouth with plenty of water, and call a physician, if vomiting occurs keep your head below the hips to avoid aspiration into the lungs. NEVER induce vomiting.

4.2 Most important symptoms and effects, acute and chronic: Contact with eyes or skin may cause burns, and ingestion or inhalation may cause internal damage, if this occurs, medical attention is required

4.3 Indication of the need for immediate medical attention and, if necessary, special treatment: **Seek** medical help immediately. Never give anything by mouth to people who are unconscious. Do not induce vomiting. If the person vomits, clear the airway. Cover the affected area with a dry sterile dressing. Protect the affected area from pressure or friction.

SECTION 5.

FIRE FIGHTING MEASURES

5.1 Appropriate extinguishing media: Dry chemical, water, foam or carbon dioxide. In the case of more serious fires, use the appropriate extinguishing medium according to the surrounding materials.

5.2 Specific hazards of dangerous chemicals or mixtures:

Flashpoint: ND

Autoignition: ND - (Not determined).

Hazardous Decomposition Products Generated by Fire: Fire may produce gases hazardous to health.



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5.3 Special measures to be followed by firefighting groups: Cool the tanks, cisterns, or containers close to the source of heat or fire with water. Take into account the direction of the wind. Prevent the products used in the fight against fires from entering drains, sewers, or water courses.

SECTION 6:

STEPS TO BE TAKEN IN CASE OF ACCIDENTAL SPILL OR RELEASE

6.1 Personal precautions, protective equipment, and emergency procedures: Ventilate the area where the leak or spill occurred. For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions: Not determined

6.2.1 Environmental precautions: Not determined

6.2.2 Spills on land: Use an absorbent material such as sand or earth. sweep and transfer it in a container identified exclusively for its disposal, in accordance with local regulations.

6.2.3 Spills on water: n/a

6.3 Methods and materials for containment and cleaning of spills or leaks: Recover the product directly and confine it in an exclusive container for its final disposal.

6.3.1 Decontamination Procedures: Not determined.

SECTION 7:

HANDLING AND STORAGE

7.1 Precautions to be taken to ensure safe handling: Ensure all containers are labeled. Wear appropriate personal protective equipment. People who work with this chemical must be adequately trained regarding its risks and its safe use.
Temp. Charge/Discharge: n/a **Temp. Storage:** Environment

7.2 Conditions for safe storage, including any incompatibilities: Store in a cool, dry, and ventilated place. Keep in original container, closed and labeled.

Stored separately from incompatible substances such as acids and strong oxidizing agents. Handle and store in accordance with procedures for chemical products.

Avoid storing food or items for personal use together.

Conditions to Avoid: Store in areas, away from heat and moisture and protect from physical damage.

INCOMPATIBILITY-MATERIALS TO AVOID: Incompatible with concentrated acids and oxidants.

SECTION 8.

EXPLOSION CONTROLS/PERSONAL PROTECTION:



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8.1 Control parameters:

8.2 Appropriate Engineering Controls: technical controls Provide adequate ventilation, which can be achieved by good local exhaust ventilation and a good general exhaust system.

Respiratory protection:



PPE: Filtering mask for protection against gases and particles

Characteristics: «CE» Category III marking. The mask must have a wide field of vision and an anatomical shape. to offer tightness and hermeticity.

CEN standards: EN 136, EN 140, EN 405

Maintenance: It should not be stored in places exposed to high temperatures and humid environments. before use. The condition of the inhalation valves and exhalation of the facepiece.

Remarks: A particulate respirator (NIOSH type N95 or better filters) may be used. If they are oil particles are present (for example, lubricants, cutting fluids, glycerin, etc.), use a NIOSH type R or P filter. For emergencies or cases in which the exposure levels, use a positive-pressure, compressed-air respirator with an air supply. **Filter type:** NIOSH type R or P

Necessary:

Hand protection:



PPE: Non-disposable gloves for protection against chemical products.

Characteristics: «CE» Category III marking. The list of chemical products against which He has tested the glove.

CEN standards: EN 374-1, EN 374-2, EN 374-3, EN 420

Maintenance: A schedule for periodic glove replacement should be established to ensure that is changed before being permeated by contaminants. The use of gloves contaminated can be more dangerous than non-use because the contaminant can accumulate in the component material of the glove

Observations: They will be replaced whenever breaks, cracks, or deformations are observed and when dirt The exterior can decrease its resistance.



Eye protection:

PPE: Protection glasses with integral frame.

Characteristics: «CE» Category II marking. Integral frame eye shield for protection against liquid splashes, dust, fumes, mists, and vapors.

CEN standards: EN 165, EN 166, EN 167, EN 168.

Maintenance: Visibility through the eyepieces must be optimal, for which these elements must be cleaned daily, and the protectors must be disinfected periodically following the instructions manufacturer.

Observations: Indicators of deterioration can be: yellowing of the lenses, superficial scratches on the eyepieces, tears, etc.



Skincare:



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PPE: Protective clothing against chemical products.

Characteristics: «CE» Category III marking. Clothing must have a good fit. The level of protection must be set based on a test parameter called "Breakthrough Time" (BT. Breakthrough Time) which indicates the time it takes for the chemical to pass through the material.

CEN standards: EN 464, EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034.

Maintenance: The washing and conservation instructions provided by the manufacturer must be followed to guarantee invariable protection. **Remarks:** The design of the protective clothing should facilitate its correct positioning and its permanence without displacement, for the period of intended use, taking into account environmental factors, together with the movements and postures that the user can adopt during their activity.

Foot protection:



PPE: Safety footwear against chemical products and with antistatic properties.

Characteristics: Marking «CE» Category III. The list of chemical products against which it is resistant footwear.

CEN standards: EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO 20345

Maintenance: For the correct maintenance of this type of safety footwear it is essential to take into account follow the instructions specified by the manufacturer. Shoes must be replaced at any indication of deterioration.

Remarks: Footwear should be cleaned regularly and dried when damp, but not worn too near a heat source to avoid sudden temperature changes.

SECTION 9.

PHYSICAL AND CHEMICAL PROPERTIES:

9.1 Appearance (physical state, color, etc.): Liquid

9.2 Smell: Characteristic

9.3 Odor threshold: Not determined

9.4 Potential of hydrogen al, pH: 12.5 ± 0.05

9.5 Melting Point/Freezing Point: Not determined

9.6 Initial boiling point and boiling range: Not determined

9.7 Flash Point: Not Applicable

9.8 Evaporation rate: Not determined

9.9 Flammability (solid/gas): Not determined

9.10 Upper/lower flammability or explosive limit: Not Applicable

9.11 Vapor Pressure: Not determined

9.12 Vapor Density: Not determined

9.13 Relative density: 1.015 ± 0.010 g/ml

9.14 Solubility(ies): Soluble in water.

9.15 Partition coefficient n-octanol/water: Not Applicable

9.16 Autoignition Temperature: Not Applicable

9.17 Decomposition temperature: Not Applicable

9.18 Viscosity: Not Applicable

9.19 Other relevant data: None

NOTE: THESE PROPERTIES DO NOT CONSTITUTE A SPECIFICATION.

SECTION 10.

STABILITY AND REACTIVITY:



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- 10.1 Reactivity:** No dangerous reactions are known under conditions of normal use.
- 10.2 Chemical stability:** Stable product under ordinary conditions of use and storage.
- 10.3 Possibility of hazardous reactions:** Hazardous polymerization does not occur under conditions of normal use.
- 10.4 Conditions to avoid:** Exposure to high temperatures and direct sunlight, contact with incompatible materials.
- 10.5 Incompatible materials:** Avoid contact with strong acids, strong oxidants, or products that promote an exothermic reaction.
- 10.6 Hazardous decomposition products:** Not determined

SECTION 11.

TOXICOLOGICAL INFORMACION:

- 11.1 Information on likely routes of entry:** Eyes, inhalation, and skin contact.
- 11.2 Symptoms related to the physical, chemical, and toxicological characteristics:** **IN THE EYES:** Splashes cause severe irritation.
ON THE SKIN: It can cause irritation or itching in its concentrated formulation.
BY INHALATION: Mist may irritate the nose and throat. Inhalation of high concentrations may cause nausea, vomiting, and headache.
- CHRONIC EFFECTS:** Exposure to asthmatic, atopic, and sulfite-sensitive individuals may result in an expiratory volume. Decomposition of sodium metabisulfite and solutions can release toxic and hazardous vapors of sulfur oxides, including sulfur dioxide, which can cause permanent lung damage on acute and chronic exposure. The immediately dangerous to life or health (IDLH) level for SO₂ is 100 ppm.
- 11.3 Delayed and immediate effects and also chronic effects from short and long-term exposure:** Not determined
- 11.4 Numerical measures of toxicity (such as acute toxicity estimates):** ATE (MIX) = 13,000 mg./kg.
- 11.5 Interactive Effects:** This may cause asthmatic symptoms in sensitive individuals. Ingestion may result in nausea, vomiting, diarrhea, and abdominal pain. It can also cause allergic reactions in individuals sensitive to sulfite.
- 11.6 When specific chemical data is not available:** Not applicable
- 11.7 Mixtures:** Does not apply
- 11.8 Information on the mixture or its ingredients:** None **11.9 Other information:** None

SECTION 12.

ECOTOXICOLOGICAL INFORMATION:

- 12.1 Toxicity:** not determined
- 12.2 Persistence and degradability:** Decomposes quickly into non-toxic compounds.
- 12.3 Bioaccumulative Potential:** Not determined
- 12.4 Mobility in soil:** Not determined
- 12.5 Other Adverse Effects:** None

SECTION 13.

INFORMATION REGARDING THE DISPOSAL OF THE PRODUCTS:

- 13.1 Description of the waste and information on its safe handling and disposal methods, including disposal of contaminated containers.**

Waste Disposal: The generation of waste should be avoided or minimized where possible. Disposal of this product, its solutions, and any derivatives must always comply with the requirements of environmental protection and waste disposal legislation and all local authority requirements.



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Contaminated packaging: Packaging with prior triple washing is possible to be recycled in subsequent transformation, in use and handling under normal conditions. It is considered a residual product of special handling.

SECTION 14.

INFORMATION RELATED TO TRANSPORTATION:

14.1 UN number: Non-regulated material

14.2 UN proper shipping name:

14.3 Transport Hazard Class(es): None

14.4 Packing group/package, if applicable: Not determined

14.5 Environmental risks: None

14.6 Special precautions for user: Do not mix with strong acids and oxidizers.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code (IBC): Not applicable.

SECTION 15.

REGULATORY INFORMATION:

15.1 Specific provisions on safety, health and environment for the dangerous chemical substances or mixture in question. DANGER LABEL DATA: N/A

15.2 Keep out of the reach of children

SECTION 16.

OTHER INFORMATION INCLUDING THAT RELATING TO THE PREPARATION AND UPDATING OF SAFETY DATA SHEETS:

Compliance with the indications contained in the text does not exempt the user from compliance with all applicable legal regulations. The use and application of our products is beyond our control, and therefore under the responsibility of the buyer.

IN CASE OF EMERGENCY CALL 24/7: +52. (33) 30 60 4312 / +52 (33)18953527 or USA 24/7 +1 (714) 235 - 9274

INFORMATION SOURCES:

1. NOM-018-STPS/2000 System for the identification and communication of dangers and risks due to dangerous chemical substances in workplaces.
2. Regulations for land transportation of hazardous materials and waste of the Secretary of Communications and Transportation.
3. NOM-003_SCT/2000. Characteristics of packaging and packaging labels, intended for the transport of hazardous material substances and waste.
4. NMX-R-019-SCFI-20211. Harmonized system of classification and communication of hazards of chemical products.
5. US Department of Labor Occupational Safety and Health Administration (OSHA) 3173-02R 2023. **6.** Federal Hazard Communication Standard (HCS), Title 29, Part 1910.1200

GLOSSARY

NA NOT DETERMINED

NA NOT APPLICABLE

LD50. MEDIUM LETHAL DOSE

STPS. SECRETARY OF LABOR AND SOCIAL PROTECTION

SCT. SECRETARY OF COMMUNICATIONS AND TRANSPORTATION

This material safety data sheet is for information only. It should not be considered as a guarantee or representation.

CORPORATIVO BANDROP SA DE CV. Considering that the information presented here is accurate and compiled from reliable sources, it is the end customer's obligation to consider the relevant safety recommendations in the use and handling of the product in accordance with federal, state, and local regulations.