



SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY OR COMPANY

1.1 Product: SYNTRO MAK-51

1.2 Description: Synthetic Coolant

1.3 CAS No.: 107-21-1

1.4 Other names: Not applicable.

1.5 Relevant uses: For grinding.

1.6 Provider: E2 Servicios Ambientales SA de CV.

Address

Saltillo #614, Col. Las Encinas, General Escobedo, N.L.

Emergency Telephone Numbers

81 1479 6054 / 81 2088 1799

EMAIL :

alvarom@e2seamsa.com

alvaromosza@gmail.com

HEALTH EMERGENCY: Contact your local health authority. **TRANSPORT EMERGENCY:** (SETIQ) 01 800 00 214 00.

SECTION 2. IDENTIFICATION OF HAZARDS

2.1 Classification of the substance or mixture

This mixture is not considered dangerous.

In accordance with Regulation (EC) No 1272/2008: Skin irritation or corrosion, category 1. In accordance with European Directive 67/548/EEC, and its amendments.

2.2 Label Elements

Pictogram





~~Warning word: Attention-Hazard~~
indication(s)

H319: Causes severe eye irritation.

Declaration(s) of prudence:

P280: Wear protective gloves/clothing/goggles/mask.

P305/351/338: IN CASE OF CONTACT WITH EYES: Rinse carefully with water for several minutes. Remove contact lenses, if worn and easy. Continue rinsing.

P310: Call a POISON CONTROL CENTER or a doctor immediately.

~~Hazard symbol(s)~~

~~(S7) – Irritates the eyes and respiratory tract.~~

Phrase(s) – S

S22: Do Not Breathe Vapors

S25: Avoid contact with eyes.

2.3 Other Hazards

None of the ingredients in this product are listed as carcinogens.

SECTION 3. COMPOSITION/INFORMATION OF COMPONENTS

3.1 Chemical Identity: Synthetic Coolant

3.2 Composition:

INGREDIENT	FORMULATION (%P)	No. CAS
Ethylene glycol	20%	107-21-1

SECTION 4. FIRST AID

4.1 Measures required by exposure medium

Overview



Immediately remove contaminated clothing and follow safety measures when providing first aid.

Eyes: Wash with plenty of clean water for 15 min. Call a doctor for review if irritation persists.

Skin: Wash with plenty of water and then with a soapy solution. Discard contaminated garments and wash before using them again.

Inhalation: To bring the affectionate to a ventilated place. Call medical attention.

Ingestion: In case of ingesting significant amounts, do not induce vomiting and get medical attention.

4.2 Most significant symptoms and effects, acute and delayed

There is no information about it.

4.3 Indication for immediate medical care or special treatment (Note to physicians)

Overexposure can cause eye irritation. Ingestion can cause gastrointestinal irritation, symptoms are nausea, vomiting, reduced appetite, abdominal pain, diarrhea.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Adequate (inadequate) means of extinguishing: This product would have to be dehydrated to present flammability, so

Use the appropriate fire extinguishing means for the material being burned.

5.2 Specific Hazards of Chemicals: Non-combustible product. In the event of a fire, carbon oxides may be released from the incomplete combustion of carbon compounds.

5.3 Special protective equipment and precautions for firefighting equipment: No special protective equipment is required, wear appropriate safety equipment for fire situations. Cool exposed tanks with water.

SECTION 6. MEASURES IN THE EVENT OF ACCIDENTAL SPILLAGE

6.1 Individual Precautions, Protective Equipment, and Emergency Procedures:

Wear recommended clothing and personal protective equipment, gloves, boots,



rubber suit (do not use cotton or leather), ventilate the area, do not touch spilled product. Stop the leak if possible, build a sand dam.

6.2 Environmental Precautions: Do not discharge the product into the drain.

6.3 Isolation and Cleaning Methods and Materials: Isolate and evacuate the area, contain the spill with absorbent material, sand, or dry soil, collect it in a plastic container, store it, then wash the affected site and all tools used. For disposal, comply with government regulations. Wash thoroughly.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling: Keep emergency equipment always available. Personnel should be well trained in the safe handling of the product. Avoid contact with skin, eyes, and clothing. When preparing the work solution, make sure there is good ventilation. Do not breathe in fumes or mist.

7.2 Safe Storage Conditions: Containers must be properly labeled. Store in dry, well-ventilated areas, away from heat and unshareable materials. Storage stability approximately 2 years.

SECTION 8. EXPOSURE/PERSONAL PROTECTION CONTROLS

8.1 Control parameters

Occupational or biological exposure limits ACGIH TLV: 2 mg/m³ maximum (approximately 8 H.).

8.2 Proper engineering controls

The work area and procedures should be designed to prevent direct contact with the product and inhibit liquid and/or splashing. Use existing ventilation in the event of fog. Natural ventilation is adequate in the absence of fog.

8.3 Individual protection measures:

Personal Protective Equipment:

Breathing: In case of insufficient ventilation, use appropriate breathing equipment (NIOSH/OSHA).

Leather: Rubber gloves, special boots, gown or overalls.



Eyes/Face: Safety glasses with side barriers. Wear a face shield in case there is a possibility of splashes.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physicochemical information of the

substance Physical status: Transparent liquid

Color: Fluorescent Green

Odor: Characteristic Very Low

pH of 5.0% Solution: 9.44

Specific Gravity (g/mg): 1.030

Water Reactivity: Does not present

Flash Point: Does not present **pH of**

pure product: 9.90 **Flammability:**

Does not present.

Flammability limit: Not applicable

Water Solubility: Fully Soluble (100.0%) Vapor

Density: Not available in the literature.

Specific Density: N/A

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No information available.

10.2 Chemical stability: This product is fully stable under pressure conditions and normal temperature .

10.3 Possibility of dangerous reactions: No dangerous reactions occur.

10.4 Conditions to avoid: Expose the product to oxidizing agents that can generate exothermic reactions.

10.5 Incompatible materials: Oxidizing materials that can generate exothermic reactions.

10.6 Hazardous Decomposition Products: Monoxide and Carbon Dioxide



SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Oral: Data not available

Inhalation: This product is not considered toxic

Skin: May cause irritation if contact is continuous

Eyes: Can cause moderate to severe irritation with tearing and pain.

Sensitization: This material does not cause sensitization.

Chronic toxicology

Exposure limits: Data not available.

Toxicity: Data not available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity: No information available.

12.2 Persistence / Biodegradability: Biodegradable material.

12.3 Bioaccumulation potential: The product is not expected to be bioaccumulative.

12.4 Mobility in soil: 100% water-soluble
liquid if it enters the soil it will be absorbed.

12.5 PBT and vPvB results: Not available.

12.6 Other side effects: No additional information



SECTION 13. PRODUCT DISPOSAL INFORMATION

13.1 Waste disposal information:

Waste, Residue, Unused Products: Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging: Rinse containers with water and use it to prepare working solution: May be confined or incinerated according to local regulations.

SECTION 14. TRANSPORTATION INFORMATION

14.1 No. UN: Not applicable.

14.2 DOT: Not applicable.

14.3 Transport hazard class: Not applicable.

Ground: ADR-RID/SCT Label: Not classified as a dangerous product. Air:

ICAO/IATA Label: Not classified as a dangerous product.

Maritime: IMO-IMDG label: Not classified as a dangerous product. Transport label required: None.

14.4 Packaging group: Not applicable.

14.5 Environmental hazards: Not applicable.

14.6 Bulk Transportation: Non-toxic/Non-combustible. Not considered as a hazardous material by the Transportation Regulations.

14.7 Special precautions for the user:

The product is transported in 1,000 liter totes which must be perfectly closed and without leaks and identified with:

product name, lot number, and NFPA code. RCRS Status: Not a hazardous waste.



SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental legislation and regulations specific to the substance or mixture

Labelled according to EU guidelines Hazard symbol: Xi
(irritant)

Contains: Mineral oil derived from
petroleum.

UN No.: Not
applicable **No.**

IENECS: Not
applicable **CAS No.:**
Not applicable

15.2 Chemical Safety Assessment:

Quotes - R: R 36/37/38 Irritation of the eyes, skin and respiratory system.

S 26 In contact with the eyes rinse immediately with enough water, it is
advisable to seek a doctor

S 28 After contact with skin, wash immediately with sufficient water.

S 36/37/39 Wear appropriate protective clothing, as well as gloves and face shield.



SECTION 16. OTHER INFORMATION

16.1 Identification of changes

Publication date: Jan. 2013

Revision date: Jan. 2018

Date of next revision: Dec. 2021

16.2 Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists. CAS #:

Chemical Abstracts Service Number.

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act.

CFR: Code of Federal Regulations.

DOT: Department Of Transportation.

IATA: International Air Transport Association.

IARC: International Agency for Research on Cancer. ICAO:

International Civil Aviation Organization.

IDLH: Immediately Dangerous to Life and Health.

Acute and chronic effects; special effects on the body

IMDG: International Maritime Code for Dangerous Goods. (same as IMCO)

IMCO: Intergovernmental Maritime Consultative Organization.

LC50: The Concentration of Material in air expected to kill 50% of a group of test animals.

Lethal concentration by inhalation.

LD50: Lethal Dose expected to kill 50% of a group of test animals. Lethal dose, with which 50% of the tests

They caused death.

NFPA: National Fire Protection Association.

NIOSH: National Institute for Occupational Safety and Health of the

United States. NTP: National Toxicology Program.

OSHA: U.S. Occupational Safety and Health Administration PEL:

Permissible Exposure Limit.

RCRA: Resource Conservation and Recovery Act.

TDG: Transportation of Dangerous Goods Act/Regulations.

TLV: Threshold Limit Value. Tolerance limit value in the work environment. TSCA:

Toxic Substances Control Act.

TWA: Time – Weighted Average, Average concentration limit for a normal working day .

UN: United Nations number.

TDL: Toxicity, limiting dose. TDLo (toxic dose, lower): Minimum reported dose that caused toxic effects.



S-phrases: They tell us how products should be handled or what we should do in the event of an accident.

R phrases: They give us additional information about the types of risks or dangers that a substance offers.

16.3 NFPA Code:

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

16.4 Other information:

Text of H-codes and R-phrases referred to in section 2

The Safety Data Sheet complies with:

Requirements of Regulation (EC) No.

1907/2006. NMX-R-019-SFI-2011

OSHA (Hazard Communication Standard) Requirements 29 CFR 1910.1200

The data provided in this safety data sheet is based on our current knowledge. They describe only the safety measures in the handling of this product and do not represent a guarantee about the described properties of the product

