

Conpro Shield MX

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

TABLE OF CONTENTS

SECTION 1	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	2
SECTION 2	HAZARDS IDENTIFICATION	2
SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS	3
SECTION 4	FIRST AID MEASURES	4
SECTION 5	FIREFIGHTING MEASURES	5
SECTION 6	ACCIDENTAL RELEASE MEASURES	5
SECTION 7	HANDLING AND STORAGE	5
SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION	6
SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES	7
SECTION 10	STABILITY AND REACTIVITY	7
SECTION 11	TOXICOLOGICAL INFORMATION	8
SECTION 12	ECOLOGICAL INFORMATION	9
SECTION 13	DISPOSAL CONSIDERATIONS	9
SECTION 14	TRANSPORT INFORMATION	9
SECTION 15	REGULATORY INFORMATION	10
SECTION 16	OTHER INFORMATION	11

Conpro Shield MX

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Form

- Liquid

Product Name

- Conpro Shield MX

1.2 Relevant identified uses of the substance Or mixture and uses advised against

Use of Substance

- Used on vertical and horizontal concrete, concrete block, concrete pavers, natural stone, stucco and brick.

1.3 Details of the supplier of the safety data sheet

- Conproco Corporation
17 Production Drive
Dover, NH 03820

Telephone: 800.258.3500

1.4 Emergency telephone numbers

- CHEMTREC 800.725.7383
- CHEMTREC International +1.703.527.3887 24 hr

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

- Skin irritation 2
- Serious eye damage 1
- Reproductive toxicity 2
- Harmful to aquatic life 3

2.2 Label elements

Hazard Pictograms



Signal Word

- Danger

Hazard Statement

- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye damage.
- Can cause allergic skin reaction.
- Harmful to aquatic life.
- May cause respiratory irritation.
- Causes damage to organs through prolonged exposure.
- Suspected of damaging fertility or unborn child.

Precautionary Statements

- Keep in original container.
- Do not eat, drink, or smoke when using these products.
- Wash hands thoroughly after handling.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use in a well ventilated area.
- Absorb spillage to prevent material damage.
- If exposed or concerned: Get medical advice/attention.
- If swallowed: Immediately call a poison center/doctor. Rinse mouth.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do so. Continue rinsing. Immediately call a poison center/doctor.
- If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation of rash occurs. Get medical advice/attention.
- If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
- Store locked up.
- Store in a well ventilated place.
- Keep container tightly closed.
- Dispose of contents and container in accordance with all local, regional, national, and international regulations.
- Avoid release to the environment.

2.3 Other hazards

Not Available.

Conpro Shield MX

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

- Conpro Shield MX

3.1 Chemical Description

- Water based emulsion of silanes and siloxanes

3.2 Hazardous ingredients

Substance Name	CAS No.	Concentration %
Triethoxyoctysilane	2943-75-1	4.6 – 8.2
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	.18 – 1.8
Methanol	67-56-1	< .92
Ethanol	64-17-5	< .92
Octamethylcyclotetrasiloxane	556-67-2	.018 – .18

Exact percentages of concentration are withheld as a trade secret
In accordance with paragraph (l) of §1910.1200.

Conpro Shield MX

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Following inhalation

- If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Following skin contact

- Remove contaminated clothing and safely dispose of. After contact, wash with soap immediately.

Following eye contact

- In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

Following ingestion

- If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms –

Injury after inhalation

- May cause respiratory tract irritation.

Symptoms –

Injury after skin contact

- Causes skin irritation.
- Do not allow product to have prolonged contact with skin.
- Handling can cause dry skin.
- May cause sensitization by skin contact.

Symptoms –

Injury after eye contact

- Causes serious eye damage.
- Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms –

Injury after ingestion

- Harmful if swallowed.
- May cause stomach distress, nausea or vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

- Symptoms may not appear immediately.
- In case of accident or if you feel unwell, seek medical advice immediately.

Conpro Shield MX

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

5.1 Extinguishing media

Suitable extinguishing media

- Extinguishing media may be dry chemical, carbon dioxide, foam or water.
- Foam or water may create a slippery condition; spread sand or grit.

Unsuitable extinguishing media

- None.

5.2 Special hazards arising from the substance or mixture

Fire Hazard

- Excess heat may cause containers to burst.

5.3 Advice for fire-fighters

Firefighting instructions

- Use foam, water, carbon dioxide or dry chemical to extinguish.
- Evacuate area. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so.
- Wear self-contained breathing apparatus for firefighting if necessary. Use recommended personal protective equipment.

SECTION 6

ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General procedure

- Use personal protection recommended in Section 8.
- Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 Methods and materials for containment and cleaning up

For containment

- Contain spill, then place in a suitable container.
- Do not flush to sewer or allow to enter waterways.
- Use appropriate personal protection.

Methods for cleaning up

- Absorb or absorbent material.
- Place in waste disposal container.
- Flush area with water.
- Wet area may be slippery; if so, spread sand or grit.

6.3 Reference to other sections

No additional information.

SECTION 7 HANDLING & STORAGE

7.1 Precautions for safe handling

- Avoid contact with skin and eyes.
- The use of compressed air for cleaning clothing, equipment, etc., is not recommended.
- Handle and open container with care.
- When using, do not eat, drink or smoke.

Hygiene measures

- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
- Appropriate techniques should be used to remove potentially contaminated clothing.
- Wash contaminated clothing before reusing.
- Ensure that eyewash stations and safety showers are close to the workstation location.

7.2 Conditions for safe storage, including any incompatibility

Storage conditions

- Tanks must be clean, dry and rust-free.
- Keep container tightly closed.
- Must be stored in a diked (bundled) well-ventilated area, away from sunlight, ignition sources and other sources of heat.
- Cleaning, inspection and maintenance of storage tanks is a specialist operation which requires the implementation of strict procedures and precautions.

7.3 Specific end uses

No additional information.

Conpro Shield MX

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

SECTION 8 EXPOSURE CONTROLS PERSONAL PROTECTION

8.1 Control parameters

Component Name	CAS#	Exposure Form	Exposure Limits	Basis
Methanol	67-56-1	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm; 260 mg/m3	NIOSH REL
		ST	250 ppm; 325 mg/m3	NIOSH REL
		TWA	200 ppm; 260 mg/m3	OSHA Z-1
Ethanol	64-17-5	TWA	1,000 ppm; 1,900 mg/m3	NIOSH REL
		TWA	1,000 ppm; 1,900 mg/m3	OSHA Z-1
		STEL	1,000 ppm	ACGIH
Octamethylcyclotetrasiloxane	556-67-2	TWA	10 ppm	Industry

8.2 Exposure controls

Personal protection equipment

- Mask, gloves, safety glasses

Hand protection

- Cloth gloves

Eye protection

- Safety glasses at minimum, preferably chemical goggles.

Skin and body protection

- Handle with good industrial hygiene and safety practice.
- Always wash hands after handling this product, and once again before leaving the workplace.
- Wear suitable protective clothing, and wash clothing before next use.

8.3 Engineering controls

- Ensure adequate ventilation, especially in confined areas.
- Ensure easy access to an eyewash station and a safety shower.

8.4 Respiratory protection

- General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits.
- Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure limits are unknown, or any circumstance where air purifying respirators may not provide adequate protection.

Conpro Shield MX

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical state.....liquid
- Appearance.....translucent
- Color.....clear
- Odor.....slight
- Odor threshold.....n/a
- pH.....~ 8
- Relative evaporation rate.....1 (Ether = 1)
- Melting point.....n/a
- Freezing point.....n/a
- Boiling point.....~ 100
- Flash point.....>93°F
- Auto-ignition temperature.....n/a
- Decomposition temperature.....n/a
- Flammability (solid/gas).....n/a
- Vapor pressure.....8 M Bar @ 20°F
- Relative vapor density (20°C).....n/a
- Relative density.....n/a
- Specific gravity.....0.99
- Density.....n/a
- Solubility.....infinite
- Log Pow.....n/a
- Log Kow.....n/a
- Kinematic viscosity.....n/a
- Dynamic viscosity.....n/a
- Explosive properties.....n/a
- Oxidizing properties.....n/a
- Explosive limits.....n/a

9.2 Other information

No additional information.

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

- No dangerous reaction will occur under normal circumstances.

10.2 Chemical stability

- Stable under normal conditions.

10.3 Possibility of hazardous reactions

- Exposure to excess heat.

10.4 Conditions to avoid

- None, under normal conditions.

10.5 Incompatible materials

- Acids, oxidizing agents, bases.

10.6 Decomposition products

- Will form ethanol and methanol after water evaporation. When heated to above 150°C (300°F) in the presence of air, product can form formaldehyde.

Conpro Shield MX

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

- Inhalation
- Skin contact
- Ingestion
- Eye contact

11.2 Acute Toxicity

- Not classified based on available information.

11.3 Skin corrosion/irritation

- Causes skin irritation.
- Species tested: rabbit.

11.4 Serious eye damage/eye irritation

- Risk of serious damage to eyes.
- Species tested: rabbit.

11.5 Respiratory sensitization

- Not classified based on available information.

11.6 Germ cell mutagenicity

- Not classified based on available information.

11.7 Carcinogenicity

- Not identified as carcinogenic by IARC, OSHA or NTP.

11.8 Reproduction toxicity

- Some evidence of adverse effects on sexual function and fertility, based on animal (rat) inhalation experiments with component Octamethylcyclotetrasiloxane (CAS# 556-67-2).

11.9 STOT-single exposure

- Not classified based on available information.

11.10 STOT-repeated exposure

- Not classified based on available information.

11.10 Aspiration toxicity

- Not classified based on available information.

Symptoms

Symptoms – injuries after inhalation

May cause respiratory tract irritation

Symptoms – injuries after skin contact

Causes skin irritation. Do not allow product to have Prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

Symptoms – injuries after eye contact

Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms – injuries after ingestion

Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Other information

Likely routes of exposure: ingestion, inhalation, skin and eye.

Conpro Shield MX

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity

- Component toxicity to fish – Alcohols, C11-14-iso-, C13-rich, ethoxylated, CAS# 78330-21-9 LC50 (96 hr) 1-10 mg/l, *Leuciscus idus*

12.2 Persistence and degradability

- N/a

12.3 Bioaccumulative potential

- N/a

12.4 Mobility in soil

- N/a

12.5 Other adverse effects

- N/a

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal recommendations

- Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 TRANSPORT INFORMATION

14.1 UN number

- Not available.

14.2 UN proper shipping name

- Not available.

14.3 Additional information

- None.

Conpro Shield MX

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

SECTION 15 REGULATORY INFORMATION

T.S.C.A Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

D.S.L. (Canada): All chemical substances found in this product are listed.

CERCLA Reportable Quantity:

<u>Component Name</u>	<u>CAS Number</u>	<u>Wt%</u>	<u>Component RQ (lbs.)</u>
Methanol	67-56-1	~1.5	5,000

SARA 304 Extremely Hazardous Substances Reportable Quantity:

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards:

Acute Health Hazard, Chronic Health Hazard

SARA 302:

None

SARA 313:

Methanol, CAS# 67-56-1, ~1.5 wt%

Conpro Shield MX

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

SECTION 16 OTHER INFORMATION

16.1 Other information

- This document was created in accordance to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015.

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