

SAFETY DATA SHEET

Concrete Remover

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Concrete Remover

Product code: MVCR

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance/ mixture: Concrete Removal

1.3. Details of the supplier of the safety data sheet

Company name: Main Verte

Aughnagallop

Drumshanbo

Co. Leitrim

Tel: +353 (0) 71 9641673

Email info@mainverte.com

1.4. Emergency telephone number

Emergency tel: +353 (0) 85 1110011 GMT 8:00-18:00

Emergency contact as on the left or after hours:

National Poisons Centre, Beaumont Hospital, Dublin 9, IRELAND (REPUBLIC OF)

Tel: +353 1 809 2166 (public) +353 1 837 9964 (medical professionals)

Section 2: Hazard identification

2.1. Classification of the substance or mixture

Product definition:

Mixture

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Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity Category 4 (Oral)

Skin corrosion/irritation (Category 1B)

Serious eye damage/eye irritation (Category 2A)

Specific target organ toxicity – single exposure (Category 3)

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. Label elements

Labeling according Regulation (EC) No 1272/2008 [CLP]

HAZARD PICTOGRAM(S)



SIGNAL WORD Danger

Hazard statement(s)

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation
H400	Very Toxic to aquatic life

Precautionary Statement(s)

P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P264	Wash hands thoroughly after handling.
P261	Avoid breathing mist/spray.
P273	Avoid release to the environment.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P304 + P340	IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P302 + P352	IF ON SKIN: wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P501	Dispose of contents/ container to an approved waste disposal plant.

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Section 3: composition/information on ingredients

Hazardous ingredients	Conc.	CAS No.	EINECS NO.	Symbols/Risk phrases
Hydrochloric acid	20 - 30%	7647-01-0	231-595-7	H314, H335
C12-C15 Alcohol Ethoxylate with 7meo	1- 10%	68131-39-5		H302, H318, H400

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4: First aid measures

4.1. Description of first aid measures

General advice	If you feel unwell, seek medical advice (show the label where possible). Take off all contaminated clothing immediately.
Inhalation	May give off gas that is very irritating or corrosive to the respiratory system. Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
Ingestion	May cause burns to mouth, throat and stomach. Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person
Skin contact	Wash off with soap and plenty of water. Consult a physician.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact:	Irritation or pain may occur at the site of contact. There may be redness or whiteness of the skin in the area of exposure.
Eye contact:	There may be irritation and redness. The eyes may water profusely. There may be severe pain. Corneal burns may occur. May cause permanent damage.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness.
Inhalation:	Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness.

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4.3. Indication of any immediate medical attention and special treatment

No data available

Section 5: fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazard arising from the substance or mixture

Exposure hazards: Dangerous gases or fumes may occur in case of fire. In combustion emits toxic fumes of carbon dioxide / carbon monoxide and Hydrogen chloride gas

5.3. Advice for fire fighters

Advice for fire fighters: Wear self contained breathing apparatus for firefighting if necessary.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

6.2. Environmental precautions

Avoid dispersal of spilled materials and run-off and contact with soil, waterways, drains and sewers. Prevent further spillage if safe.

6.3. Methods and materials for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

For disposal see section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

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Avoid contact with eyes and skin. Ensure adequate ventilation of the working area

7.2. Conditions for safe storage, including any incompatibles

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Wash thoroughly after handling

7.3. Specific end use(s):

Specific end use(s): A part from the uses mentioned in section 1.2 Keep out of the reach of children

Section 8: Exposure control/ Personal protection

8.1. Control parameters

Workplace exposure limits:

Component	CAS Number	Value	Control Parameters	Basis
Hydrochloric acid	7647-01-0	TWA	5 ppm 8 mg/m ³	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
	Remarks	Indicative		
		STEL	10 ppm 15 mg/ m ³	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
	Remarks	Indicative		
		OELV -8hrs (TWA)	5 ppm 8 mg/m ³	Ireland. List of chemical agents and Occupational Exposure Limit Values-Schedule 1
	Remarks	Indicative Occupational Exposure Limit Value		
		OELV -15 min (TWA)	10 ppm 15 mg/ m ³	Ireland. List of chemical agents and Occupational Exposure Limit Values-Schedule 1
		Indicative Occupational Exposure Limit Value		

8.2. Exposure controls

Engineering measures: Ensure adequate ventilation of the working area. Handle in accordance with good hygiene and safety practice. Wash hands before breaks and at the end of workday

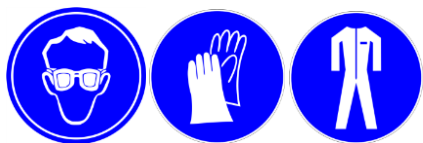
Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

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Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from

Eye protection: Tight fitting goggles with side shields, or wide vision goggles. Do not wear contact lenses when handling this product. Individual pocket eyewash advisable.

Protective equipment: Protective overalls and safety shoes/boots.



Section 9: Physical and chemical properties

State: Liquid

Colour: Clear

Odour: Hydrochloric

Solubility in water: Soluble

Viscosity: 1.14

Boiling point/range °C: N/A

Melting point/ range °C: N/A

VOC g/l:

pH: <1

Section 10: Stability and reactivity

10.1. Reactivity

Stable at normal ambient temperature and pressure

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions:

Hazardous reactions none known

10.4. Conditions to avoid

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Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation

10.5. Incompatible materials

Copper, Aluminum, Strong oxidising agents, Bases, Amines, Alkali metals, Metals, hexalithium disilicide, permanganates, e.g. potassium permanganate, Fluorine

10.6. Hazardous decomposition products

In combustion emits toxic fumes of carbon dioxide / carbon monoxide. No decomposition if stored normally.

Thermal decomposition Hazardous decomposition products formed under fire conditions.

Section 11: Toxicological information

11.1. Information on Toxicological effect

Toxicity values:

Substance	Species	Test	Value	Units
C12-C15 Alcohol Ethoxylate with 7meo	Rat	Oral LD ₅₀	>200-2000	mg/kg
Hydrochloric Acid	Rat	Oral LD ₅₀	700	mg/kg
	Rabbit	Dermal LD ₅₀	>5010	mg/kg
	Rat	Inhalation LC ₅₀	1562	ppm
	Mouse	Inhalation LC ₅₀	1108	ppm

Skin corrosion/irritation

Substance	Effect	Route	Basis
Hydrochloric Acid	Causes severe burns.	Skin	Hazardous: Calculated Rabbit 24 h
	Corrosive	Eye	Hazardous: Calculated Rabbit 24 h

Symptoms/ routes of exposure

Skin contact: Irritation or pain may occur at the site of contact. There may be redness or whiteness of the skin in the area of exposure.

Eye contact: There may be irritation and redness. The eyes may water profusely. There may be severe pain. Corneal burns may occur. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness.

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Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness.

Other: Health problems are greatly reduced when product is diluted and used as directed.

Section 12: Ecological information

12.1. Eco-toxicity

Eco-toxicity values:

Substance	Species	Test	Value	Units
C12-C15 Alcohol Ethoxylate with 7meo	<i>Fish</i>	96H LC ₅₀	<1	mg/L
Hydrochloric Acid	<i>Trout</i>	24H LC ₁₀₀	10	mg/L
	<i>Shrimp</i>	96H LC ₅₀	100-330	ppm
	<i>Gold fish</i>	96H LC ₅₀	178	mg/L
	<i>mosquito fish</i>	96H TLM	282	ppm

12.2. Persistence and degradability

All surfactants are readily degradable

12.3. Bio-accumulative potential

Bio-accumulative potential: no data available

12.4. Mobility in soil

Mobility: mobile

12.5. Results of PBT and vPvB assessment

PBT identification: no data available

12.6. Other adverse effects

Other adverse effects: Potentially toxic to aquatic life

Section 13: Disposal considerations

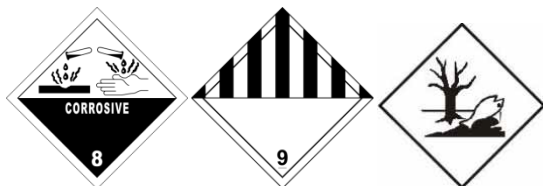
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Dispose of in compliance with all local and national regulations

13.1 Waste treatment methods

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Local and national regulations.

Section 14: Transport information



14.1 UN number

ADR/RID: 1789/ 3082

IMDG: 1789/ 3082

IATA: 1789/ 3082

14.2 UN proper shipping name

ADR/RID: HYDROCHLORIC ACID/ ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ETHOXYLATED C12-15 ALCOHOLS)

IMDG: HYDROCHLORIC ACID/ ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ETHOXYLATED C12-15 ALCOHOLS)

IATA: Hydrochloric acid/ / ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ETHOXYLATED C12-15 ALCOHOLS)

14.3 Transport hazard class(es)

ADR/RID: 8(9)

IMDG: 8(9)

IATA: 8(9)

14.4 Packaging group

ADR/RID: III

IMDG: III

IATA: III

14.5 Environmental hazards

ADR/RID: yes

IMDG Marine pollutant: yes

IATA: yes

14.6 Special precautions for user

Passenger aircraft: Packing instruction: 914 - Maximum net quantity per package: 450 L

Cargo aircraft: Packing instruction: 914 - Maximum net quantity per package: 450 L

Section 15: Regulatory Information

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15.1. Safety, health and environment regulations/ legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

Section 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

Acute toxicity Category 4 (Oral)	H302	Harmful if swallowed
Skin corrosion/irritation (Category 1B)	H315	Causes skin irritation
Serious eye damage/eye irritation (Category 2A)	H319	Causes serious eye irritation
Specific target organ toxicity – single exposure (Category 3)	H332	Harmful if inhaled

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.