

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

1.1. Product Identifier

Product Form : Mixture
Product Name : CR-20 Concrete Remover
Product Code : N/A
Type of Product : Cleaning Chemical
Product Group : Cleaning Product

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

1.2.1. Relevant identified Uses

Main use category : Professional Use
Industrial/Professional use spec : For professional use only

1.2.2. Use advised against

No additional information is available

1.3. Details of the supplier of the safety data sheet

PATSA Pakistan (Pvt.) Ltd.
Steel House, West Wharf Road,
Karachi, 74000, Pakistan
T: +92 0330 8694794
info@patsaonline.net www.patsaonline.net

1.4. Emergency telephone number

Country	Organization/Company	Address	Emergency Number	Comment
N/A	N/A	N/A	N/A	N/A

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixture: SDS < 2015: Show CLP information only

Causes severe skin burns and eye damage H314
Serious eye damage, Category 1 H319
Skin Corrosion/Irritation, Category 2 H315

Adverse physicochemical, human health and environmental effects

No additional information is available.

For full text of H-phrases see section 16.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP)



Single word (CLP) : Warning.
Hazard statements (CLP) : Cause serious skin burns and eye damage. Causes serious eye damage. Causes skin corrosion/irritation.
Precautionary Statements (CLP) : Keep out of reach of children. Do not breathe dusts or mists. Wash contracted areas thoroughly after handling. Wear protective gloves, protective clothing and eye or face protection. IF SWALLOWED: Rinse mouth, DO NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep comfortable breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other Hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixture

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Di-Carboxylic Acid	N/A	to 100	N/A
Sulfamic Acid	N/A	10 - 30	N/A
Surfactants	N/A	<10	N/A

Full Text of H-statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Rinse with water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rise mouth with water. Do NOT induce vomiting.

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

Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation	: None under normal use.
Symptoms/injuries after skin contact	: Contact during a long period may cause light irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Gastrointestinal complaints.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information is available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray, Powder, Foam, CO ₂
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards as arising from the substance or mixture

Fire hazard	: None.
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5.3. Advice for firefighters

Explosion hazard	: None.
Reactivity	: Upon combustion: CO and CO ₂ are formed.
Firefighting instructions	: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous fighting water.
Protection during firefighting	: Do not enter the fire area without proper protective equipment, including respiratory protection.
Other information	: None known.
General measures	: Isolate from fire, if possible, with unnecessary risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Protective goggles. Gloves. Protective clothing.
Emergency procedures	: Evacuate unnecessary personnel. NO open flames, NO sparks, and NO smoking. Avoid contact with skin eyes and clothing. Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment	: Equip the cleanup crew with proper protection.
Emergency procedures	: Stop leaks if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public.

6.3. Methods and material for containment and cleaning up

For containment	: Contain released substance, pump into suitable containers.
Methods for cleaning up	: The material and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Absorb the product onto porous material.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes. Handle and open the container with care. Keep away from sources of ignition- No smoking.
Hygiene measures	: Wash thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible products	: Oxidizing agent, strong acids. Strong bases.
Incompatible materials	: Sources of ignition. Heat sources.
Storage area	: Meet the legal requirements. Store in a cool area. Store in a well-ventilated place.
Special rules on packaging	: Meet the legal requirements.

SECTION 8: Exposure controls/ personal protection

8.1. Control parameters

No information available.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information is available.

8.2.2 Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses. Protective coating.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Nitrile rubber gloves. Breakthrough time: > 480 Min, (EN 374). Layer thickness: 0,35 mm. Always wash your hands after handling the product

8.2.2.3. Respiratory protection

Respiratory protection:

Ensure adequate air ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Universal mask (ABEK)

8.2.2.4. Thermal hazards

No additional information is available.

8.2.3. Environmental exposure controls

No additional information is available.

SECTION 9: Physical and chemical properties

9.1. Information

Physical state	: Viscous, thickened liquid.
Colour	: No data available.
Odour	: Characteristic odour.
Odour threshold	: No data available.
pH	: 0-1 @ 20°C
pH solution	: /.
Relative evaporation rate (butylacetate=1)	: No data available.
Melting point	: No data available.
Freezing point	: No data available.
Boiling point	: No data available.
Flashpoint	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: No data available.
Relative vapour density at 20 °C	: No data available.
Relative density	: No data available.
Density	: 1.2 kg/l @ 20°C
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available.

Viscosity, kinematic	: No data available.
Viscosity, dynamic	: No data available.
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Lower explosive limit (LEL)	: Not applicable.
Upper explosive limit (UEL)	: Not applicable.

9.1. Information

Voce content	: No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability

Extremely high or low temperatures.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

10.5. Incompatible materials

Keep away from (strong) acids. Oxidizing agents. Reducing Agents

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effect

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: See Heading 3 (information on ingredients)

Di-Carboxylic Acid (CAS No.) N/A	
LD50 oral rat	Not classified
LD50 dermal rabbit	Not classified
LC50 inhalation rat (mg/l)	Not classified

Sulfamic Acid (CAS No.) N/A	
LD50 oral rat	Not classified
LD50 dermal rabbit	Not classified
LC50 inhalation rat (mg/l)	Not classified

Skin corrosion/irritation	: Not classified
	pH: /.
Serious eye damage/irritation	: Not classified
	pH: /.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology – general	: No data available.
Acute aquatic toxicity	: Very toxic to aquatic life.
Chronic aquatic toxicity	: Very toxic to aquatic life with long-lasting effects.

Di-Carboxylic Acid (CAS No.) N/A	
LC50 fish 1	>100 mg/l (96 h; Onorhynchus mykiss; Nominal concentration)
Threshold limit algae 1	>100 mg/l (72 h; Pseudokirchneriella subcapitata; Growth rate)

Sulfamic Acid (CAS No.) N/A	
LC50 fish 1	>0.72 mg/l (96 h; Onorhynchus mykiss; Nominal concentration)
EC50 Daphnia 1	0.36 mg/l

12.3. Bioaccumulative potential

Sulfamic Acid (CAS No.) N/A

Persistence and degradability	Not classified.
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12.2. Persistence and degradability

Sulfamic Acid (CAS No.) N/A

Biocummulative potential	No supplementary information available.
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12.4. Mobility in soil

Sulfamic Acid (CAS No.) N/A

Mobility in soil	No supplementary information available.
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Ecology - soil	No supplementary information available.
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12.5. Results of PBT and vPvB assessment

Additional information : No data available

12.6. Other adverse effects

Additional information : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Comply with local regulations for disposal.
Waste treatment methods : Dispose of at a licensed site.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR

14.1. UN number

UN-No. (ADR) : N/A

14.2. UN proper shipping name

Proper Shipping Name (ADR) : N/A

Transport document description (ADR) : N/A

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Class 8: Corrosive Substances

Danger labels (ADR) : N/A



14.4. Packing Group

Packaging group (ADR) : II

14.5. Environmental hazards

Dangerous for the environment : Not classified

Other information : Not classified

14.6. Special precautions for user

Special transport precautions : Fire hazard, Danger of explosion, Heating may cause an explosion, This product contains hazardous components for the aquatic environment, Do not allow to enter drains or water courses.

- Overland transport

Hazard identification number (Kemler No.) : Not classified

Orange plates : Not classified

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Tunnel restriction code (ADR) : D/E

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No data available

15.1.1. National Regulations

No data available

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H- and EUH- statements:

Skin Corr/Irri, 1	Skin corrosion/irritation, Category 1
Eye Dmg/Irri, 1	Causes serious eye irritation, Category 1
Skin Corr/Irri, 2	Skin corrosion/irritation, Category 2
H314	Causes severe skin burns and eye damage, Category 1
H319	Serious eye damage/eye irritation, Category 2A
H315	Causes skin irritation, Category 2

Safety Data Sheet (MSDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not, therefore, be construed as guaranteeing any specific property of the product.