



SAFETY DATA SHEET

CTR

1. IDENTIFICATION

Product Name: CTR

Recommended use: Multipurpose Cleaner / Degreaser

Chemical Nature: Lightly alkaline solution of detergents and citrus extract

Manufacturer: Concrete Chemical Company

Address: Suite 1005
4 / 16 Beenleigh Redland Bay Rd
Loganholme Qld 4129
Australia

Phone: 1300 792 207

Email: admin@concretechemical.co

Website: www.concretechemical.co

Emergency: 1300 792 207 (ALL HOURS) or consult a physician

2. HAZARDS IDENTIFICATION

GHS Classification

Acute Toxicity: Oral, Category 4

Skin Irritation: Category 3

Serious Eye Damage/Irritation: Category 2B

SIGNAL WORD

Warning

Exclamation mark



Hazard statements

H302 Harmful if swallowed.

H315 Causes Skin irritation.

H318 Causes serious eye irritation

Precautionary Statements

Prevention:

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves and eye protection.

Response:

P301+P312 IF SWALLOWED: Call POISONS INFORMATION CENTRE or a doctor if you feel unwell.

P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P321 Use moisturizing cream.

P332+P313 If skin irritation occurs: Get medical attention.

P362 Take off contaminated clothing and wash before use.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical attention.



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Precautionary Statements - Storage

Keep closed and away from children. Keep away from heat or flame.

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste disposal facility

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture
Product Description: Cleaner / Degreaser

Chemical Name	Cas Number	% In Product
Sodium Hydroxide	1310-73-2	<2%
D-Limonene	5989-27-5	<10%
Ethoxylated Alcohol	secret	<10%
Other ingredients not classified as hazardous		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if applicable are listed in section 8.

4. FIRST-AID MEASURES



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Description of first aid measures

Inhalation	Move person to fresh air at once. If breathing has stopped, get medical attention immediately.
Eye contact	Wash eyes immediately with large amounts of water
Skin contact	Wash contacted areas with mild soap and water.
Ingestion	Do not induce vomiting. If person is conscious, give water. Get medical attention.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: Can cause severe irritation, redness, tearing, and blurred vision.

Inhalation: Fine mist may cause irritation of the nose and throat.

Skin Contact: Any contact can cause moderate irritation.

Ingestion: Gastrointestinal irritation.

Over exposure signs/symptoms

Eye contact: Adverse symptoms may include the following: Irritation

Inhalation: Adverse symptoms may include the following: No significant effect.

Skin Contact: Adverse symptoms may include the following: Irritation

Ingestion: Adverse symptoms may include the following: Gastrointestinal

Indication of immediate attention and special treatment needed, if necessary

Notes to Physician: Treat symptomatically. Contact Poisons Information Centre if large quantities have been ingested or inhaled.

Specific Treatments: No specific treatment.

Protection of First Aiders: No action should be taken involving any personal risk or without suitable training. Wash contaminated clothing thoroughly with water before removing it.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Regular Foam, Waterfog, Carbon Dioxide, or Dry Chemical

Unsuitable Extinguishing Media: None known.

Specific Hazards arising from the Chemical: This product is not a combustible liquid.

Hazardous thermal decomposition products

Flash Point: Does not burn

Upper Flammability Limit: Does not burn

Concrete Chemical Company
Lower Flammability Limit: Does not burn

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Special protective actions for the fire fighters: If there is a fire, promptly isolate the scene by removing all persons from the vicinity of the incident



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Special protective equipment for fire fighters: Fire fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Hazardous decomposition: Oxides of carbon or traces of hydrocarbons may be formed in small amounts
Special Fire Fighting Procedures: Clear fire area of personnel. Do not enter confined fire area without full bunker gear and positive pressure breathing apparatus.

Unusual Fire/Explosion Hazards: Not listed.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No smoking or flares in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel."

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble.

Alternatively, or if water insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark proof tools and explosion proof equipment. Dispose via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non combustible, absorbent material e.g. sand, earth, vermiculite or Diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark proof tools and explosion proof equipment. Dispose via a licensed waste contractor. Contaminated absorbent material may pose the same hazard. Use gloves, goggles, Boots and Breathing Mask. Small amounts do not need special measures. Clean up with water. For large spills, remove all sources of ignition. Ventilate area. Absorb with an inert absorbent material. Avoid runoff into drains and sewers. All used and unused product should be disposed of in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE



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Precautions for safe handling

Put on appropriate protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, keep tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Do not reuse container. Wash thoroughly after use.

Conditions for safe storage, including any incompatibilities

Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 10) and food and drink. Do not store in unlabeled containers. Do not weld on or near containers either empty or full. Secure all chemicals out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Occupational exposure limits

Ingredient Name	CAS#	TWA(mg/m)	STEL(mg/m)
Sodium Hydroxide	1310-73-2	2	2
D-Limonene	5989-27-5	not set	not set

Appropriate engineering controls

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures, such as personal protective equipment

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR.



Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Hand protection Wear suitable gloves. Impervious gloves.

Respiratory protection If determined by a risk assessment an inhalation risk exists, wear an organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Environmental exposure controls Prevent product from entering drains.

Thermal hazards None under normal processing.

9. PHYSICAL AND CHEMICAL PROPERTIES



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Physical State:	Liquid	Specific Gravity:	1.02
Colour:	Orange	Vapour Pressure:	<1 (low volatile)
Odour:	Citrus	Volatiles:	98%
pH:	12.5	Vapour Density:	>1 fall in air
Boiling Point:	100°C	Solubility:	100%
Flash Point:	n/a	Evaporation Rate:	<=Water

Volatile Organic compound (VOC) content for Consumer Products Applications Percent by weight: 1%

10. STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions if Instability: When exposed to high temperatures colour may fade.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Toxicological Information No data Available

Cas #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
Cor 1310-73-2	Sodium Hydroxide	n.a.	n.a.	n.a.	n.a.
5989-27-5	D-Limonene	n.a.	n.a.	n.a.	n.a.



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12. ECOLOGICAL INFORMATION

Ecological Data

Product	Species	Test Results
D-Limonene (CAS 5989-27-5)		
Aquatic		
Acute		
Crustacea	EC50 Water flea (Daphnia Magna)	0.36mg/l, 48 hours
Fish	LC50 Flathead Minow (Pimephales Promelas)	0.7mg/l, 96 hours
Ecotoxicity:	Toxic to aquatic life	
Environmental Effects:	Toxic to aquatic organisms	
Aquatic Toxicity:	Toxic to aquatic organisms	
Persistence and Degradability:	Readily biodegradable	

13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any byproducts should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION



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This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

15. REGULATORY INFORMATION

AICS: All of the significant ingredients in this product are compliant with NICNAS regulations.

16. OTHER INFORMATION

Reason(s) For Issue: First Issue Primary SDS

Issuing Date: 18-Mar-2024

This SDS contains only safety related information. For other information see product literature.

Key literature references and sources for data used to compile the SDS

EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australian Industrial Chemicals Introduction Scheme (AICIS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Disclaimer

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Concrete Chemical Company cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Concrete Chemical Company representative or Concrete Chemical Company at the contact details on page 1.



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Concrete Chemical Company responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

End of Safety Data Sheet