

Safety Data Sheet

According to 1907/2006/EC (REACH) and 1272/2008/EC (CLP)

Printing Date: 1/20/2015

Revision: 1/20/2015

Trade Name: REHAB™ - Concentrated Cleaner/Degreaser

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

1.1 Product identifier

Trade Name: REHAB™

1.2 Article No.: REHAB™

1.3 Details of the supplier of the Safety Data Sheet Manufacturer:

Elite Crete Systems
1061 Transport Drive
Valparaiso, IN 46383
Toll Free: 888.323.4445
Tel: (219) 465-7671
Fax: (219) 531-0898
www.elitecrete.com

1.4 Emergency telephone number:

CHEMTREC US DOMESTIC: (800-424-9300)

CHEMTREC INTERNATIONAL: (703-527-3887)

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008 (CLP)

Skin irrit. 2, H315

Eye irrit. 2, H319

Full text H-phrases see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi: R36/38

Full text or R-phrases see section 16

GHS Classification in accordance with CFR 1910 (OSHA HCS)

The product is not classified as hazardous according to EU parliament and councils directive 1999/45/EF.

Skin sensitization. (May cause sensitization by skin contact) R43 May cause sensitization by skin contact.

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008:

Hazard pictograms:



GHS07

Signal word: Warning

Hazardous ingredients; Sodium hydroxide, 1-Hydroxyethane-1,1-diphosphonic acid

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Hazard statements

H315: Causes skin irritation.
H317: May cause allergic skin reaction
H319: Causes serious eye irritation.

Precautionary Statements

P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection
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 so. Continue rinsing.
P332+P333 +P313: If skin irritation or rash occurs: Get medical advice/attention.
P333+P313: If eye irritation persists, get medical advice/attention.



Xi Irritant

R Phase Description
R36/38 Irritating to eyes and skin

S Phase Description
S36/37 Wear Suitable protective clothing and gloves

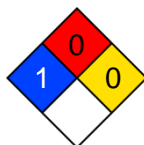
2.3 Other hazards:

No data available

Hazard description:

Canadian WHMIS Classification: none listed

NFPA ratings (scale 0 - 4)



Health = 1
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health	1
Fire	0
Reactivity	0

Health = 1
Fire = 0
Reactivity = 0

2.3 Other hazards not otherwise classified (HNOC) or not covered by GHS

None known

3 Composition/information on ingredients

3.2 Mixture.

Description: Mixture of substances listed below with nonhazardous additives.

Hazardous components:

Identification #	Description	WT. %
CAS: 37350-42-8 EINECS: 609-413-6 Index No.:	2-propenoic acid, sodium salt, polymer with 2-methyl-2-(1-oxo2-propenyl)amino)-1-propanesulfonic acid monosodium salt Aquatic chronic 3, H412, H290, R52, R53	>3-12%
CAS: 1310-73-2 EINECS: 220-552-8 Index: No:	Sodium Hydroxide , Met corr.1, H290, Acute Tox. 4 (oral) H302, Eye Dam. 1, H318, , C: R34/35, Xi: R36/38	3-19%
CAS: 7732-18-5	water	69-94%

Additional information: Additional H statements see Sec 16.

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4 First aid measures

4.1 Description of first aid measures

After inhalation:

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

After skin contact:

Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder contaminated clothing before re-use.

After eye contact:

If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention.

After swallowing:

If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents. Give large amounts of water or milk to a CONSCIOUS PERSON. **Never give (milk or water) to someone who is unconscious**, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

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

Acute: This material may cause irritation to skin and eyes. Product may cause an allergic skin reaction.

Chronic: Prolonged or repeated skin contact may cause skin reaction product can be removed with water wash exposed skin thoroughly. Seek medical attention if symptoms arise. .

Target Organs: **Acute:** Eye, Skin **Chronic:** Skin

Hazards: Pre-existing skin or eye problems may be aggravated by exposure to this product.

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

Treat symptoms and reduce over-exposure.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: not applicable

5.2 Special hazards arising from the substance or mixture: low oxygen level: Acetic acid

Hazardous decomposition products none known

Flammability: not flammable

Product does not burn use appropriate extinguishing measures and protective gear appropriate to source of fire.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Personnel should be trained for spill response operations.

6.2 Environmental precautions: All work practices must be aimed at eliminating environmental contamination.

6.3 Methods and material for containment and cleaning up: Evacuate area. Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Soak up spilled material with an absorbent material and pick up and place in an appropriate waste container for disposal. Do not mix with other wastes. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

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7 Handling and storage

7.1 Precautions for safe handling

As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing dust/vapors generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

protect against frost

7.3 Specific end use(s): No information

8 Exposure controls/personal protection

Additional information about design of technical facilities:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

Use local exhaust ventilation to control airborne dust/vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Sodium hydroxide (1310-73-2)

Austria	MAK (mg/m ³)	2 mg/m ³
Austria	MAK (short time value (mg/m ³))	4 mg/m ³
Bulgaria	OEL TWA (mg/m ³)	2.0 mg/m ³
Croatia	KGVI (kratkotrajna grančna vrijednost izloženosti) (mg/m ³)	2mg/m ³
Czech Republic	Expozicni limity (PEL) (mg/m ³)	1mg/m ³
Finland	HTP – arvo (15 min)	2mg/m ³
Finland	OEL Ceiling (mg/m ³)	2mg/m ³
France	VME (mg/m ³)	2mg/m ³
Hungary	AK – ertek	2mg/m ³
Hungary	CK – ertek	2mg/m ³
Ireland	OEL (15 min. ref) (mg/m ³)	2mg/m ³
Latvia	OEL TWA (mg/m ³)	0.5mg/m ³
Lithuania	NRV (mg/m ³)	2mg/m ³
Poland	NDS (mg/m ³)	0.5mg/m ³
Poland	NDSch (mg/m ³)	1mg/m ³
Portugal	OEL – Ceilings (mg/m ³)	2mg/m ³
Slovakia	NPHV (priemerná) (mg/m ³)	2mg/m ³
Slovenia	OEL TWA (mg/m ³)	2mg/m ³
Slovenia	OEL STEL (mg/m ³)	2mg/m ³
Spain	VLA-EC (mg/m ³)	2mg/m ³
Sweden	nivagransvarde (NVG) (mg/m ³)	1mg/m ³
Sweden	takgransvarde (TGV) (mg/m ³)	2mg/m ³
United Kingdom	WEL STEL (mg/m ³)	2mg/m ³
USA	ACGIH ceiling (mg/m ³)	2mg/m ³

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory protection: Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Protection of hands: Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S.



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OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

Protective gloves

Material of gloves:

The selection of suitable gloves does not only depend on the material, but also on the quality, and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time has to be determined by the manufacturer of the protective gloves. DO NOT exceed the breakthrough time set by the Manufacturer.

Eye protection: Safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.



Tightly sealed goggles

Body Protection:

Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

Exposure guidelines:

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:

liquid

Color:

clear

Odor:

Slight detergent odor

Odor threshold:

N/A

pH-value:

9.2-9.8

Change in condition

Melting point/Melting range:

No data available

Boiling point/Boiling range:

No data available

Flash point:

Not applicable

Flammability (solid, gaseous):

Not applicable

Auto/Self-ignition temperature:

N/A

Decomposition temperature:

No data available

Self-igniting:

No data available

Danger of explosion:

Not applicable

Explosion limits

Lower + Upper:

Not established

Vapor pressure at:

Not established

Density at 20°C:

1.09

Vapor pressure:

No data available

Vapor density:

No data available

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Evaporation rate:	No data available
Solubility in / Miscibility with Water:	Mixable (complete in water)
Specific Gravity 23 C: (Water = 1):	1.03 g/cm ³
Viscosity:	
Dynamic:	No data available
Kinematic:	No data available
Solvent content:	
Organic solvents:	No data available
VOC (EC)	0.0%
9.2 Other information	No data available

10 Stability and reactivity

10.1 Reactivity: No data available

10.2 Chemical stability: Product is stable.

Thermal decomposition / conditions to be avoided: None known

10.3 Possibility of hazardous reactions: None known

10.4 Conditions to avoid: Direct sunlight, extremely high or low temperatures

10.5 Incompatible materials: strong acids, strong bases, strong oxidizers

10.6 Hazardous decomposition products: If stored and handled properly none known. At increased temperature Acetic acid.

11 Toxicological information

11.1 Information on toxicological effects: Toxicity data is available for this product

Acute toxicity:

Sodium hydroxide (1310-73-2)

Acute Dermal	LD 50	>1,350 mg/kg	Rabbit
Acute Oral	LD 50	>1,878 mg/kg	Rat

Primary irritant effect: Contact with this product can be irritating to exposed skin and eyes.(pH 9.2-9.8)

Sensitization: Not classified

Additional toxicological information:

None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC

Reproductive toxicity information:

No information available

Carcinogenicity: IARC, ACGIH, NTP, OSHA: no component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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12 Ecological information

12.1 Toxicity

Aquatic toxicity:

Product has not been tested for toxicity, but data obtained on similar products are summarized below. Results of single exposure (acute) toxicity studies conducted on similar materials indicate that this product is practically non toxic orally and after skin application.

12.2 Persistence and degradability: No data available

12.3 Bio accumulative potential:

N/A.

12.4 Mobility in soil: No data available

General notes: No specific data is available for this product, however this product is expected to be readily biodegradable (99-%) . Avoid release to the environment

12.5 Results of PBT and vPvB assessment

PBT.vPvB assessment not available, chemical assessment not required /not conducted

13 Disposal considerations

13.1 Waste treatment methods

Recommendations:

Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan. Recommended to contact local licensed professional waste disposal service.

RCRA WASTE CODE: None Listed

EU WASTE CODE: Not Listed

14 Transport information

14.1 UN-Number	NO UN NUMBER REQUIRED NON HAZARDOUS IN ALL RESPECTS
IMDG:	
ADR, DOT, IATA, TGD	NOT DANGEROUS GOODS
14.2 UN proper shipping name	
ADR, IMDG, IATA: DOT: TGD	NOT DANGEROUS GOODS
14.3 Transport hazard class(es)	
DOT	
Class:	NONE
Label:	
ADR, IMDG, IATA	
Class:	
Label:	NONE
IMDG	
Class:	
Label:	NONE

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IATA	
Class:	
Label:	NONE
14.4 Packing group	
DOT, ADR, IMDG, IATA:	NONE
14.5 Environmental hazards:	
Marine pollutant:	This products ingredients are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)
14.6 Special precautions for user	
Danger code (Kemler):	No data available
EMS Number:	No data available
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	No data available
Transport/Additional information	
ADR	
Tunnel restriction code	No data available
UN "Model Regulation":	No data available

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture. United States (USA)

SARA: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.: None

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Toxic Release Inventory): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is listed.

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed

Canadian Ingredient Disclosure list (limit 0.1%):

None of the ingredients are listed.

Canadian Ingredient Disclosure list (limit 1%):

None of the ingredients are listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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16 Other information

Hazard statements

- H315: Causes skin irritation.
 H317: May cause allergic skin reaction
 H319: Causes serious eye irritation.

Precautionary Statements

- P264: Wash hands thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 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 so. Continue rinsing..
 P332+P333 +P313: If skin irritation or rash occurs: Get medical advice/attention.
 P333+P313: If eye irritation persists, get medical advice/attention.

Risk statements

- R21: Harmful in contact with skin
 R34: Causes burns.
 R43: May cause sensitization by skin contact
 R52/53: Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.
 C: Corrosive
 Xi: irritant
 Xn: harmful

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation.
 IATA: International Air Transport Association.
 ACGIH: American Conference of Governmental Industrial Hygienists.
 EINECS: European Inventory of Existing Commercial Chemical Substances.
 ELINCS: European List of Notified Chemical Substances.
 CAS: Chemical Abstracts Service (division of the American Chemical Society).
 NFPA: National Fire Protection Association (USA).
 HMIS: Hazardous Materials Identification System (USA).
 LC50: Lethal concentration, 50 percent.
 LD50: Lethal dose, 50 percent.