

Safety Data Sheet
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,
1926*

1 Identification

- **Product identifier**
 - Trade name: ***REGARD Cleaner Degreaser***
 - **Article number:** 2005278117
 - **Recommended use:** General Purpose Cleaner Degreaser
 - **Restrictions on use:**
All other uses than those indicated on the product label and technical data sheet.
- **Details of the supplier of the safety data sheet:**
 - **Manufacturer:**
Wesclean
11450-149th Street
Edmonton, AB
T5M 1W7
www.wesclean.com
Tel: 1-888-337-2929
 - **Client Identification Number:** 370001
 - **Emergency telephone number:** CANUTEC 1-613-996-6666

2 Hazard(s) identification

- **Classification of the product:**



Met. Corr.1 H290 MAY BE CORROSIVE TO METALS.
Skin Corr. 1C H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
Eye Dam. 1 H318 CAUSES SERIOUS EYE DAMAGE.

- **Label elements:**

- **Hazard pictograms:**



GHS05

- **Signal word:** Danger
- **Hazard statements:**
H290 MAY BE CORROSIVE TO METALS.
H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

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· **Precautionary statements:**

- P260 Do not breathe dust, fume, gas, mist, vapors or spray.
- P280 Wear protective gloves and eye or face protection.
- P234 Keep only in original container.
- P264 Wash thoroughly after handling.
- P303+P361+P353 IF ON SKIN OR HAIR: Remove or take off immediately all contaminated clothing. Rinse skin with 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.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P310 Immediately call a POISON CENTER or a doctor.
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.
- P405 Store locked up.
- P501 Dispose of contents and container in accordance with local, regional and national regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4):**



· **Hazard not otherwise classified:** None

· **Notes:** For the wording of the listed abbreviations refer to section 16.

3 Composition/information on ingredients

· **Dangerous components:**

CAS	Component	(% w/w)
	Composé ammonium quaternaire Acute Tox. 3, H301; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H312	1-≤2.5%
68131-39-5	Alcohols C12-15 Ethoxylated Eye Dam. 1, H318; Skin Irrit. 2, H315	1-≤2.5%
1310-58-3	Potassium Hydroxide Met. Corr.1, H290; Skin Corr. 1B, H314; Acute Tox. 4, H302	0.5-<2%
6834-92-0	Disodium Metasilicate Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT SE 3, H335	1-<2%

4 First-aid measures

· **General information:**

Immediately remove any clothing soiled by the product.
 Caustic products usually don't generate instantaneous painful burns in contact with eyes or skin. In case of direct contact with this product, react immediately by following the measures below.

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- **After inhalation:**
In case of unconsciousness place patient stably in side position for transportation. Get medical attention.
- **After skin contact:**
Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so. Continue rinsing for a minimum of 15 to 60 minutes. Then consult a doctor.
- **After ingestion:**
Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.
- **Information for doctor:**
 - **Most important symptoms and effects, both acute and delayed:**
Contact can cause pain, redness, burns, and even blistering. Burns may not be immediately painful; onset of pain may be delayed minutes to hours. Permanent damage, including blindness, can result after prolonged contact with eyes.

5 Fire-fighting measures

- **Suitable extinguishing media:**
 - **Suitable extinguishing media:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Specific hazards arising from the product:**
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO_x) and nitrogen oxides (NO_x).
- **Advice for firefighters:**
 - **Special protective equipment and precautions for fire-fighters:** No special measures required.
- **Additional information:**
This product is not flammable.
See -Section 9- for the flammability characteristics of this product.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers, surface or ground water.
- **Methods and material for containment and cleaning up:**
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent (eg. food vinegar (5% acetic acid), citric acid, sodium bicarbonate in excess)
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

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7 Handling and storage

- **Handling:**
 - **Precautions for safe handling:** Ensure good ventilation at the workplace.
- **Conditions for safe storage, including any incompatibilities:**
 - **Requirements to be met by storerooms and receptacles:**
Unsuitable material for receptacle: aluminium.
 - **Information about storage in one common storage facility:** Store away from metals.
 - **Conditions for safe storage, including any incompatibilities:**
Keep in the original receptacle tightly sealed.
Store under lock and key and out of the reach of children.
Do not store in aluminium or galvanised containers nor use die-cast zinc or aluminium bungs;
plastic bungs should be used.
- **Specific end use(s):** No further relevant information available.

8 Exposure controls/personal protection

- **Appropriate engineering controls:** No further data; see item 7.
- **Control parameters:**

· **Components with limit values that require monitoring at the workplace:**

1310-58-3 Potassium Hydroxide

EL (Canada) Ceiling limit value: 2 mg/m³

EV (Canada) Ceiling limit value: 2 mg/m³

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls:**
 - **Personal protective equipment:**



Protective gloves



Safety goggles

- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**
Protective gloves
Check protective gloves prior to each use for their proper condition.
The glove material has to be impermeable and resistant to the product.
- **Eye protection:** Safety goggles

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· **Body protection:** Alkaline resistant protective clothing (recommanded)

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9 Physical and chemical properties

· **Information on basic physical and chemical properties:**

· **General Information:**

· **Appearance:**

- **Form:** Liquid
- **Colour:** Pink
- **Odour:** Quaternary
- **Odor threshold:** Not determined.

· **pH-value at 25 °C:** >13.0

· **Change in condition:**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 100 °C

· **Flash point:** Not determined.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

· **Vapour pressure at 20 °C:** 23 hPa

· **Density at 25 °C:**

- **Relative density** Not determined.
- **Vapour density (air=1):** <1 (aqueous solution)
- **Evaporation rate:** Not determined.

· **Solubility in / Miscibility with:**

- **Water:** Fully miscible

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

- **Dynamic:** Not determined.

· **Solvent content:**

- **Organic solvents:** 0.2 %

10 Stability and reactivity

· **Reactivity:** The product is basic.

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- **Chemical stability:**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** Reacts with acids.
- **Conditions to avoid:** Avoid freezing and extreme heat conditions.
- **Incompatible materials:**
This product can react with strong oxidizing agents and strong acids.
In contact with most metals, produces hydrogen gas, a flammable and explosive gas. It is particularly corrosive to aluminium, tin, lead, and zinc.
- **Hazardous decomposition products:**
Hydrogen
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

11 Toxicological information

- **Information on the likely routes of exposure:** Skin and eyes contact
- **Acute toxicity:**
 - **Numerical measures of toxicity:**

Components Mean of exposure	Type	Value (Species)
ATE (Acute Toxicity Estimates)		
Oral	LD50	11990 mg/kg (Rat)
Dermal	LD50	54187 mg/kg
68131-39-5 Alcohols C12-15 Ethoxylated		
Oral	LD50	>5000 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rat)
Irritation of skin	OECD guideline 404	Not classified. (Rabbit)
Irritation of eyes	OECD, guideline 405	cat. 1 (Rabbit)
Sensitization	OECD, guideline 406	Not classified. (guinea pig)
1310-58-3 Potassium Hydroxide		
Oral	LD50	333 mg/kg (Rat)
6834-92-0 Disodium Metasilicate		
Oral	LD50	1280 mg/kg (Rat)
Irritation of skin	OECD guideline 404	cat. 1B (Rabbit)
Sensitization	OECD guideline 429	Not classified. (guinea pig)
68424-85-1 Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride		
Oral	LD50	919 mg/kg (Mouse)
		426 mg/kg (Rat)
	LC50	240 mg/L (Rat)
68439-46-3 Alcohols C9-C11 Ethoxylated		
Oral	LD50	1378 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rabbit)

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Irritation of skin	OECD guideline 404	Not classified. (Rabbit)
Irritation of eyes	OECD, guideline 405	cat. 1 (Rabbit)
Sensitization	OECD, guideline 406	Not classified. (guinea pig)

· **Symptomes related to the physical, chemical and toxicological characteristics:**

- **By inhalation:** Not applicable
- **If on the skin:** CORROSIVE: Strong caustic effect on skin and mucous membranes.
- **If on the eye:**
CORROSIVE: Strong caustic effect.
Strong irritant with the danger of severe eye injury.
- **After ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
- **Sensitization:** No sensitizing effects known.

· **Delayed and immediate effects, and chronic effects from short-term and long-term exposure:**

Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer)**

64-17-5	Ethanol	1
81-88-9	IC Violet Base 10	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

68131-39-5 Alcohols C12-15 Ethoxylated

LC50 (96 h, OECD guideline 203)	1.3-1.7 mg/L (oncorhynchus mykiss [rainbow trout])
EC50 (48 h, OECD guideline 202)	0.23 mg/L (daphnia magna [water flea])
EC50 (72 h, OECD guideline 201) (Static)	0.75 mg/L (Pseudokirchnerella Subcapitata)
NOEC (30 d, OECD directive 204) (Dynamic)	>1 mg/L (pimephales promelas [fathead minnow])
NOEC (21 d, ASTM 1988)	0.77 mg/L (daphnia magna [water flea])

6834-92-0 Disodium Metasilicate

LC50 (96 h, OECD guideline 203)	210 mg/L (danio rerio [zebrafish])
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68424-85-1 Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride

EC50 (48 h, OECD guideline 202)	<1 mg/L (daphnia magna [water flea])
EC50 (72 h, OECD guideline 201)	<1 mg/L (Algae)

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EC50 (96 h)	<1 mg/L (oncorhynchus mykiss [rainbow trout])
68439-46-3 Alcohols C9-C11 Ethoxylated	
LC50 (96 h, OECD guideline 203)	5-7 mg/L (oncorhynchus mykiss [rainbow trout])
EC50 (48 h, OECD guideline 202)	2.5 mg/L (daphnia magna [water flea])
EC50 (96 h)	1.4 mg/L (Algae)

- **Persistence and degradability:** No relevant information available.
- **Behavior in environmental systems:**
 - **Bioaccumulative potential:** No further relevant information available.
 - **Mobility in soil:** No further relevant information available.
- **Ecotoxicity:** No relevant information available
 - **Remark:**
 - Toxic for fish
 - Harmful to fish
 - **General notes:**
 - Germany: Water hazard class 3 (Self-assessment): extremely hazardous for water.
 - Germany: Do not allow product to reach ground water, water course or sewage system, even in small quantities.
 - Must not reach bodies of water or drainage ditch undiluted or unneutralized.
 - Germany: Danger to drinking water if even extremely small quantities leak into the ground.
 - Also poisonous for fish and plankton in water bodies.
 - Toxic for aquatic organisms
 - Harmful to aquatic organisms
 - Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values.
 - A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13 Disposal considerations

- **Waste treatment methods:**
 - **Recommendation:**
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.
- **Uncleaned packagings:**
 - **Recommendation:** Disposal must be made according to official regulations.
 - **Recommended cleansing agent:** Water.

14 Transport information

· DOT, IMDG, IATA	UN3267
· UN proper shipping name · DOT	Corrosive liquid, basic, organic, n.o.s. (Potassium hydroxide)

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· Transport hazard class(es) · Class	8 Corrosive substances
· Packing group · DOT	III
· Environmental hazards: · Marine pollutant:	Yes (DOT) Yes (P) Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code · Remarks:	Not applicable. Special marking with the symbol (fish and tree).

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

· Chemicals known to cause cancer:		
81-88-9	IC Violet Base 10	
· Chemicals known to cause reproductive toxicity for females:		
None of the ingredients is listed.		
· Chemicals known to cause reproductive toxicity for males:		
None of the ingredients is listed.		
· Chemicals known to cause developmental toxicity:		
64-17-5	Ethanol	
· EPA (Environmental Protection Agency)		
None of the ingredients is listed.		
· TLV (Threshold Limit Value established by ACGIH)		
64-17-5	Ethanol	A3
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of the ingredients is listed.		

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of creation/last revision:** 08/07/2015

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (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

P: Marine Pollutant

ACGIH: American Conference of Governmental Industrial Hygienists

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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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NIOSH: National Institute for Occupational Safety
Met. Corr.1: Corrosive to metals, Hazard Category 1
Acute Tox. 3: Acute toxicity, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

CA