

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

### 1 Identification

- **Product identifier**
  - Trade name: ***Regard Firestorm***
    - **Article number:** 2358334100
    - **Recommended use:**  
Paint remover  
Floor stripper
    - **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:**



Skin Corr. 1C H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
Eye Dam. 1 H318 CAUSES SERIOUS EYE DAMAGE.



STOT SE 3 H335 MAY CAUSE RESPIRATORY IRRITATION.

- **Label elements:**

- **Hazard pictograms:**



GHS05



GHS07

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- **Signal word:** Danger
- **Hazard statements:**  
H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
H335 MAY CAUSE RESPIRATORY IRRITATION.
- **Precautionary statements:**  
P260 Do not breathe dust, fume, gas, mist, vapors or spray.  
P280 Wear protective gloves and eye or face protection.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
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.  
P405 Store locked up.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
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)
141-43-5	2-Aminoethanol Skin Corr. 1C, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335; Flam. Liq. 4, H227	5-<10%
122-99-6	2-Phenoxyethanol Acute Tox. 4, H302; Eye Irrit. 2, H319	2.5-<10%
34590-94-8	(2-methoxymethylethoxy)propanol	2.5-<10%
68131-39-5	Alcohols C12-15 Ethoxylated Eye Dam. 1, H318; Skin Irrit. 2, H315	2.5-<10%
61790-12-3	Fatty Acids and Tall Oil Skin Sens. 1B, H317	0.1-≤2.5%

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#### **4 First-aid measures**

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
In case of unconsciousness place patient stably in side position for transportation. Get medical attention.  
Supply fresh air and to be sure call for a doctor.
- **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:**  
CO<sub>2</sub>, 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<sub>x</sub>) and nitrogen oxides (NO<sub>x</sub>).
- **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.

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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:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Conditions for safe storage, including any incompatibilities:**
    - Keep in the original receptacle tightly sealed.
    - Protect from heat and direct sunlight.
    - Store under lock and key and out of the reach of children.
- **Specific end use(s):** No further relevant information available.

### **8 Exposure controls/personal protection**

- **Appropriate engineering controls:** Ensure appropriate aeration and ventilation.
- **Control parameters:**

· <b>Components with limit values that require monitoring at the workplace:</b>	
<b>141-43-5 2-Aminoethanol</b>	
EL (Canada)	Short-term value: 6 ppm Long-term value: 3 ppm
EV (Canada)	Short-term value: 15 mg/m <sup>3</sup> , 6 ppm Long-term value: 7.5 mg/m <sup>3</sup> , 3 ppm
<b>122-99-6 2-Phenoxyethanol</b>	
EV (Canada)	Long-term value: 141 mg/m <sup>3</sup> , 25 ppm
<b>34590-94-8 (2-methoxymethylethoxy)propanol</b>	
EL (Canada)	Short-term value: 150 ppm Long-term value: 100 ppm Skin
EV (Canada)	Short-term value: 910 mg/m <sup>3</sup> , 150 ppm Long-term value: 605 mg/m <sup>3</sup> , 100 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls:**
  - **Personal protective equipment:**



Protective gloves



Safety goggles

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- **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:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.  
 Not necessary if room is well-ventilated.
- **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
- **Body protection:**  
 Protective work clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## 9 Physical and chemical properties

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

· **General Information:**

· **Appearance:**

- **Form:** Liquid
- **Colour:** Straw
- **Odour:** Characteristic
- **Odor threshold:** Not determined.

· **pH-value at 25 °C:** 10.7-11-.7

· **Change in condition:**

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

· **Flash point:** 85 °C

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

· **Ignition temperature:** 385 °C

· **Decomposition temperature:** Not determined.

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

· **Danger of explosion:** Not determined.

· **Explosion limits:**

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

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

· **Density at 25 °C:** 1.002-1.022 g/cm<sup>3</sup>

- **Relative density** Not determined.
- **Vapour density (air=1):** Not determined.

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· <b>Evaporation rate:</b>	Not determined.
· <b>Solubility in / Miscibility with:</b>	
· <b>Water:</b>	Fully miscible
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	22.4 %

### 10 Stability and reactivity

- **Reactivity:** The product is basic.
- **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:** No further relevant information available.
- **Incompatible materials:** This product may react with strong oxidizing agents.
- **Hazardous decomposition products:**  
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:** Inhalation, Skin and eyes contact
- **Acute toxicity:**
  - **Numerical measures of toxicity:**

· Components Mean of exposure	Type	Value (Species)
<b>ATE (Acute Toxicity Estimates)</b>		
Oral	LD50	9043 mg/kg (Rat)
Dermal	LD50	8067 mg/kg
Inhalative	LC50 (4 h)	117 mg/L

#### 141-43-5 2-Aminoethanol

Oral	LD50	2050 mg/kg (Rat)
Dermal	LD50	1000 mg/kg (Rabbit)
Irritation of skin	OECD guideline 404	cat. 1 (Rabbit)
Irritation of eyes	OECD, guideline 405	cat. 1B (Rabbit)
Sensitization	OECD, guideline 406	not classified (guinea pig)

#### 122-99-6 2-Phenoxyethanol

Oral	LD50	1260 mg/kg (Rat)
Dermal	LD50	5000 mg/kg (Rabbit)

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**34590-94-8 (2-methoxymethylethoxy)propanol**

Oral	LD50	5230 mg/kg (Rat)
Dermal	LD50	>19000 mg/kg (rab)

**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)

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

· **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:

Harmful

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)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

**141-43-5 2-Aminoethanol**

EC50 (48 h, OECD guideline 202)	65 mg/L (daphnia magna [water flea])
EC50 (72 h, OECD guideline 201)	2.5 mg/L (Pseudokirchnerella Subcapitata)
NOEC (21 d, OECD guideline 202)	0.85 mg/L (daphnia magna [water flea])

**34590-94-8 (2-methoxymethylethoxy)propanol**

LC50 (96 h)	>10000 mg/L (pimephales promelas [fathead minnow])
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LC50 (96 h, OECD guideline 203)	1919 mg/L (daphnia magna [water flea])
EC50 (96 h)	>969 mg/L (Algae)
<b>68131-39-5 Alcohols C12-15 Ethoxylated</b>	
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])

- **Persistence and degradability:**  
Organic compounds of this product are readily biodegradable according to the OECD Guideline 301.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential:** Does not accumulate in organisms
  - **Mobility in soil:** No further relevant information available.
- **Ecotoxicity:** No relevant information available
  - **Remark:** Toxic for fish
  - **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Must not reach bodies of water or drainage ditch undiluted or unneutralized.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for 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. (Ethanolamine)
· Transport hazard class(es) · Class	8 Corrosive substances

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· Packing group	III
· DOT	
· Environmental hazards:	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

**15 Regulatory information**

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

· Chemicals known to cause cancer:	None of the ingredients is listed.
· 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:	None of the ingredients is listed.
· EPA (Environmental Protection Agency)	None of the ingredients is listed.
· TLV (Threshold Limit Value established by ACGIH)	None of the ingredients is listed.
· 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:** 05/12/2015

· **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
- 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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- NIOSH: National Institute for Occupational Safety
- Flam. Liq. 4: Flammable liquids, Hazard Category 4
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

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Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

CA