

1 Identification

- **Product Identifier: Heavy Duty Cleaner & Degreaser**
- **Other means of identification (Article number):** 2005
- **Recommended use:** General Purpose Cleaner Degreaser
- **Restrictions on use:** All other uses than those indicated on the product label and technical data sheet
- **Manufacturer:**
Veritiv Canada Inc.
125 Madill Boulevard
Mississauga, ON L5W 0H1
Canada
- **Emergency telephone number:** CANUTEC 1-613-996-6666

2 Hazard identification

- **Classification:**
Corrosive to Metals - Category 1 H290 May be corrosive to metals.
Skin Corrosion - Category 1B H314 Causes severe skin burns and eye damage.
Serious Eye Damage - Category 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.
- **Precautionary statements:**
P234 Keep only in original packaging.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or a doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
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.

- **Hazard not otherwise classified:** None Known
- **Notes:** For the wording of the listed abbreviations refer to section 16.

3 Composition/Information on ingredients

- **Chemical characterization:** Mixtures
- **Components:**

CAS NO. %	Chemical name or Common name	
68131-39-5	Alcohols (C12-15) Ethoxylated	1-5% w/w *
1310-58-3	Potassium Hydroxide	1-5% w/w *
6834-92-0	Disodium Metasilicate	0,5-1,5% w/w *
	Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride	

* Actual concentration ranges are withheld as a trade secret.

4 First-aid measures

- **Description of first aid measures**
- **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.
May induce a skin irritation.
- **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.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing media:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray.
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** Not Determined
- **Specific hazards arising from the product:** During heating or in case of fire poisonous gases are produced.
- **Special protective equipment and precautions for fire-fighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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6 Accidental release measures**Personal precautions, protective equipment and emergency procedures:**

Mount respiratory protective device.

Wear recommended protective equipment(s). Keep unprotected persons away.

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.

7 Handling and storage· **Precautions for safe handling:** Ensure good ventilation at the workplace.**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.*** 8 Exposure controls/ Personal protection****Components with limit values that require monitoring at the workplace:****1310-58-3 Potassium Hydroxide**EL Ceiling: 2 mg/m³EV Ceiling: 2 mg/m³**Exposure controls:**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Personal protective equipment:

Safety goggles (see Eye protection)



Alkaline resistant gloves

General protective and hygienic measures:

Avoid contact with the eyes and skin.

The usual precautionary measures for handling chemicals should be followed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale dust, smoke, mist gases, fumes or aerosols.

Do not carry product impregnated cleaning cloths in trouser pockets.

Breathing equipment: Not required.**Protection of hands:**

Alkaline resistant gloves

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The glove material has to be impermeable and resistant to the product.

Check protective gloves prior to each use for their proper condition

- **Eye protection:**

Protective glasses are recommended when handling concentrated product.

Safety glasses are suggested when using this product in heavy use and institutional environments

Wear splash-proof chemical goggles in an industrial environment.

- **Body protection:**

Protective clothing is recommended only under exceptional circumstances such as fire or spill of concentrated product

Alkaline resistant protective clothing (recommended)

* 9 Physical and chemical properties

- **Appearance:**

Form: Liquid

Colour: Pink

- **Odour:** Quaternary

- **Odor threshold:** Not determined

- **pH:** > 13,0

- **Melting point/Freezing point:** Not determined

- **Boiling point/Boiling range:** Undetermined.

- **Flash point:** Not determined

- **Flammability (solid, gaseous):** Not applicable

- **Decomposition temperature:** Not determined

- **Auto igniting Temperature:** Product is not selfigniting.

- **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

Relative density: 1.028-1.043

Vapour density (air=1): <1 (aqueous solution)

Evaporation rate: Not determined

- **Solubility in / Miscibility with**

Water: Miscible

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

10 Stability and reactivity

- **Reactivity:**

Not determined.

No further relevant information available.

- **Chemical stability:** The product is stable.

- **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.

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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
- **Numerical measures of acute toxicity:**

Components	Type	Value (Species)
Mean of exposure		
ATE (Acute Toxicity Estimate)		
Oral	LD50	11.990 mg/kg (Rat)
Dermal	LD50	>111.111 mg/kg (Rat)

68131-39-5 Alcohols (C12-15) Ethoxylated

Oral	LD50	>5.000 mg/kg (Rat)
Dermal	LD50	>2.000 mg/kg (Rat)
Irritation of skin	OECD guideline 404	(Rabbit)
Irritation of eyes	OECD, guideline 405	~1 (Rabbit)
Sensitization	OECD, guideline 406	(guinea pig)

1310-58-3 Potassium Hydroxide

Oral	LD50	333 mg/kg (Rat)
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6834-92-0 Disodium Metasilicate

Oral	LD50	1.280 mg/kg (Rat)
Irritation of skin	OECD guideline 404	~1 (Rabbit)
Sensitization	OECD guideline 429	(guinea pig)

Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride

Oral	LD50	919 mg/kg (Mouse)
		426 mg/kg (Rat)
	LC50	240 mg/L (Rat)

- **Symptomes related to the physical, chemical and toxicological characteristics**

- **If on the skin:**

CORROSIVE: Strong caustic effect on skin and mucous membranes.
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.

12 Ecological information

- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** Not determined
- **Ecotoxicity:** No relevant information available.
- **Other adverse effects** No further relevant information available.

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13 Disposal considerations**Waste treatment methods recommendation:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements.

Dispose in accordance with all applicable federal, state, provincial and local laws and regulations. Contact your local, state, provincial or Federal environmental agency for specific rules.

Uncleaned packagings recommendation:

Do not re-use empty containers.

Dispose of packaging according to regulations on the disposal of packagings.

Recommended cleansing agent:

Water

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 Transport information**UN-Number**

DOT/TDG, IMDG, IATA UN1719

UN proper shipping name

DOT/TDG CAUSTIC ALKALI LIQUID, N.O.S. (Potassium Hydroxide, Disodium Metasilicate)

IMDG, IATA CAUSTIC ALKALI LIQUID, N.O.S. (Potassium Hydroxide, Disodium metasilicate)

Transport hazard class(es)**DOT/TDG (Transport dangerous goods):**

Class 8 Corrosive substances

Class 8 Corrosive substances

Packing group

DOT/TDG, IMDG, IATA III

Marine pollutant: Yes (P)

Limited quantities (LQ) 5L

15 Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

Canadian substance listings**Canadian Domestic Substances List (DSL)**

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

64-17-5 | Ethanol

Canadian Ingredient Disclosure list (limit 1%)

1310-58-3 | Potassium Hydroxide

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6834-92-0 | Disodium Metasilicate

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. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

· NFPA ratings (scale 0 - 4):Health = 2
Fire = 0
Reactivity = 0**· Department issuing SDS:**

Prepared by :

Regulatory Affairs Department

- **Contact:** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.