

# MATERIAL SAFETY DATA SHEET

## SAFEWAY KA

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Substance key: 000000161725

Revision Date: 06/09/2015

Version : 4 - 0 / CDN

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**WHMIS controlled:** no

### Section 01 - Product and company identification

**Identification of the company:**

Clariant (Canada) Inc.  
2 Lone Oak Court  
Toronto, Ontario M9C 5R9,

**Information of the substance/preparation:**

ESHA  
Phone (514) 832 2559, Fax (704) 330 1505  
Canada.PS@Clariant.com

**Emergency tel. number:** +1 800-424-9300 CHEMTREC, +1 (703) 527-3887 INTERNATIONAL

**Trade name:** SAFEWAY KA  
**Material number:** 198176  
**Chemical family:** Aqueous solution of Potassium acetate with corrosion inhibitors  
**Primary product use:** Deicing of roads and surfaces

### Section 02 - Hazards identification

**Health effects of exposure:**

Any available toxicological data is shown in Section 11. No other information was found in the public literature for any effects of exposure and no health evaluation is thus possible. Therefore, handle with care and avoid unnecessary exposures.

**Listed carcinogen:**

OSHA Specifically Regulated  
Chemicals/Carcinogens: Not listed

Other: No

NTP - National Toxicology Program Report: Not listed

International Agency for Research on Cancer (IARC) - Overall Evaluations of Carcinogenicity to Humans.: Not listed

### Section 03 - Composition/information on ingredients

**Hazardous ingredients:**

No hazardous ingredients

### Section 04 - First aid measures

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### After inhalation:

Move the victim to fresh air.  
Give oxygen or artificial respiration if needed.  
Get immediate medical advice/ attention.  
Never give anything by mouth to an unconscious person.

### After contact with skin:

Remove/Take off immediately all contaminated clothing.  
After contact with skin, wash immediately with plenty of water.  
If skin irritation occurs, seek medical advice/attention.

### After contact with eyes:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

### After ingestion:

If swallowed, DO NOT induce vomiting.  
Get immediate medical advice/ attention.

### Advice to doctor / Treatment:

None known.

## Section 05 - Fire fighting measures

<b>Flashpoint:</b>	> 100 °C Method: DIN 51376 (open cup)
<b>Lower explosion limit:</b>	not tested.
<b>Upper explosion limit:</b>	not tested.
<b>Self ignition:</b>	The substance or mixture is not classified as self heating.
<b>Ignition temperature:</b>	> 550 °C Method: DIN 51794
<b>Extinguishing media:</b>	Not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Hazardous combustion products:</b>	In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO) Carbon dioxide (CO <sub>2</sub> ) Burning produces noxious and toxic fumes.
<b>Minimum ignition energy :</b>	not tested.

## Section 06 - Accidental release measures

### Steps to be taken in case of spill or leak:

Information regarding Safe handling, see chapter 7.  
For personal protection see section 8.  
Information regarding Waste Disposal, see chapter 13.  
Wear suitable protective equipment. Ensure adequate ventilation. Contain spill and pump into proper containers using compatible equipment. Smaller spills may be recovered using inert absorbent material (sand, sawdust) and collected into suitable containers. Wash spill area.  
Do not allow the product to enter sewers or waterways.

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### Section 07 - Handling and storage

**Advice on safe handling:**

No special measures necessary if stored and handled as prescribed.

**Further info on storage conditions:**

Keep containers tightly closed in a cool, well-ventilated place.

### Section 08 - Exposure controls / personal protection

<b>Respiratory protection:</b>	Wear an approved respirator if vapours or mists are generated when handling or processing this product. Use appropriate filters. Do not exceed filters limitations.
<b>Hand protection:</b>	Rubber or plastic gloves
<b>Eye protection:</b>	Safety glasses with side-shields
<b>Other protective equipment:</b>	Avoid skin contact. Wear suitable protective clothing.

### Section 09 - Physical and chemical properties

<b>Form:</b>	Liquid
<b>Color:</b>	blue
<b>Odor:</b>	almost odourless
<b>Odor limit:</b>	not tested.
<b>pH:</b>	9 - 11.4 (20 °C) Method: ASTM D 1287 Determined in the undiluted form
<b>Solubility in water:</b>	(20 °C) completely miscible
<b>Soluble in ... :</b>	fat not tested.
<b>Density:</b>	approx. 1.28 g/cm <sup>3</sup> (20 °C) Method: DIN 51757
<b>Freezing point :</b>	-16 °C Method: ASTM D 1177 Measured on 1:1 dilution with water
<b>Boiling point :</b>	approx. 116 °C ( 1,013 mbar) Method: ASTM D 1120
<b>Evaporation number:</b>	not tested.
<b>Vapor pressure:</b>	approx. 20 mbar (20 °C)
<b>Bulk density:</b>	Not applicable
<b>Relative vapor density:</b>	not tested.
<b>Partitioning coef. octanol/water:</b>	Not applicable
<b>Viscosity / (dynamic):</b>	4 - 6 mPa.s (20 °C) Method: DIN 51562

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**Viscosity / (kinematic):** not tested.

### Section 10 - Stability and reactivity

**Thermal decomposition:** No decomposition if used as directed., Stable up to boiling point.  
**Chemical stability:** Stable under normal conditions.  
**Hazardous Polymerization:**  
**Incompatibility with (Conditions to avoid) :** None known.  
**Hazardous decomposition products** When handled and stored appropriately, no dangerous decomposition products are known

### Section 11 - Toxicological information

**Acute oral toxicity:** LD50 > 2,000 mg/kg (Rat)  
Information refers to the main component.  
**Acute inhalation toxicity:** LC50 > 5.6 mg/l (Rat )  
Method: OECD Test Guideline 403  
Source: Analogy  
Information refers to the main component.  
**Acute dermal toxicity:** not tested.  
**Skin irritation:** No skin irritation (Rabbit)  
Method: OECD Test Guideline 404  
Source: Analogy  
**Eye irritation:** No eye irritation (rabbit eye)  
Method: OECD Test Guideline 405  
Source: Analogy  
**Sensitization:** non-sensitizing  
Source: Analogy  
Information refers to the main component.

### Section 12 - Ecological information

**Product information:**  
**Biodegradation:** 99 % (8 d)  
Readily biodegradable  
Method: OECD Test Guideline 301E  
**Fish toxicity:** EC50 > 1,000 mg/l (96 h, Danio rerio (zebra fish))  
Method: DIN 38415-6  
**Daphnia toxicity:** EC50 > 1,000 mg/l (48 h, Daphnia magna (Water flea))  
Method: DIN 38412  
**Algae toxicity:** EC50 (Growth rate) > 100 mg/l (72 h, Desmodesmus subspicatus (green algae))  
Method: ISO 8692  
**Bacteria toxicity:** EC50 > 1,000 mg/l (16 h, Pseudomonas putida)  
Method: DIN 38412 T.8

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**Chemical oxygen demand (COD):** 0.3 kg/kg  
Method: DIN 38409-H-41

**Biological oxygen demand (BOD):** 0.15 kg/kg  
Method: DIN 38409-H51

**Remarks:**

May be eliminated in purification plants

### Section 13 - Disposal considerations

**Waste disposal information:**

Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

### Section 14 - Transport information

**TDG** not restricted

**IATA** not restricted

**IMDG** not restricted

### Section 15 - Regulatory information

**Registration status**

DSL: yes

NDSL: no

All components of the product are listed on the DSL/Canada.

**CEPA**

Listed as toxic substance: Not listed

Listed as priority substance: Not listed

**NPRI**

Not listed

**TSCA Status:**

All components of this product are listed on the TSCA Inventory.

**FDA:**

This product is not registered with the FDA.

### Section 16 - Other information

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The information contained on this MSDS is to the best of our knowledge an accurate summary of the data available as of the date of preparation. Clariant (Canada) Inc. is not liable for the application or use of this information in situations beyond its control or outside the normal and expected use of its product. Clariant (Canada) Inc. assumes no responsibility for damage or injury from the use of the product described herein.