

**SAFeway KA HOT BLUE RUNWAY DE-
ICER_19817610284_Bulk**

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Substance key: 000000161725

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SECTION 1. IDENTIFICATION**Identification of the
company:**Clariant Corporation
4000 Monroe Road
Charlotte, NC, 28205
Telephone No.: +1 704 331 7000**Information of the substance/preparation:**

Product Safety 1-704-331-7710

Emergency tel. number: +1 800-424-9300 CHEMTREC**Trade name:** SAFeway KA HOT BLUE RUNWAY DE-
ICER_19817610284_Bulk**Material number:** 198176**Primary product use:** Deicing of roads and surfaces**Chemical family:** Aqueous solution of Potassium acetate with corrosion inhibitors**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous components**

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), None under Title III of SARA

SECTION 4. FIRST AID MEASURES

- General advice : Remove/Take off immediately all contaminated clothing. Get medical advice/ attention if you feel unwell.
- If inhaled : If irritation of nose or throat develops from exposure to fumes, move away from source of exposure and into fresh air. If irritation develops, get medical attention.
- In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

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- In case of eye contact : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- If swallowed : IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).
No additional symptoms are known.
- Notes to physician : None known.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Not combustible.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : In case of fires, hazardous combustion gases are formed:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
- Further information : Product is non-combustible. Wear breathing apparatus (MSHA/NIOSH-approved, pressure demand, self contained or equivalent) and full protective clothing. Use water spray to cool fire-exposed containers.
- Special protective equipment for firefighters : Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
Ensure adequate ventilation.
Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent, and place in a suitable container.
- Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
- Methods and materials for containment and cleaning up : Rinse with water.

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SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Observe the general rules of industrial fire protection

Advice on safe handling : Do not use zinc containers.

Conditions for safe storage : Do not use zinc containers.

Technical measures/Precautions : Store in original container.
Keep container closed.

Materials to avoid : Do not store near acids.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters****Personal protective equipment**

Respiratory protection : If airborne concentrations pose a health hazard, become irritating or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134

Hand protection
Remarks : Butyl Rubber, PVC Or Neoprene.

Eye protection : Safety glasses or chemical splash goggles.

Skin and body protection : Protective clothing to minimize skin contact should be worn. Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas where this material is handled.

Protective measures : Avoid contact with skin and eyes.
Do not inhale aerosol.

Hygiene measures : Keep away from food and drink.
Observe the usual precautions for handling chemicals.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid

Particle size : Not applicable

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|--|--|
| Colour | : blue |
| Odour | : almost odourless |
| Odour Threshold | : not tested. |
| pH | : 9 - 11.4 (20 °C)Method: ASTM D 1287 Determined in the undiluted form |
| Freezing point | : -16 °C Method: ASTM D 1177 Measured on 1:1 dilution with water |
| Boiling point | : approx. 116 °C (1,013 hPa) Method: ASTM D 1120 |
| Flash point | : > 100 °C Method: DIN 51376 (open cup) |
| Evaporation rate | : not tested. |
| Flammability (solid, gas) | : Not applicable |
| Upper explosion limit | : not tested. |
| Lower explosion limit | : not tested. |
| Combustion number : | Not applicable |
| Vapour pressure | : approx. 20 mbar (20 °C) |
| Relative vapour density | : not tested. |
| Relative density | : 1.281 (20 °C) |
| Density | : approx. 1.279 g/cm ³ (20 °C) Method: DIN 51757 |
| Bulk density | : Not applicable |
| Solubility(ies) Water solubility | : completely miscible (20 °C) |
| Solubility in other solvents | : not tested. Solvent: fat |
| Partition coefficient: n- octanol/water | : Not applicable |

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|---------------------------|--|
| Auto-ignition temperature | : > 550 °C Method: DIN 51794 |
| Decomposition temperature | : No decomposition if used as directed. Stable up to boiling point. |
| Viscosity | |
| Viscosity, dynamic | : 4 - 6 mPa.s (20 °C) Method: DIN 51562 |
| Viscosity, kinematic | : not tested. |
| Explosive properties | : Not explosive Method: Expert judgement |
| Oxidizing properties | : The substance or mixture is not classified as oxidizing. Method: Expert judgement |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Reactivity | : No dangerous reaction known under conditions of normal use. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : Reactions with acids. |
| Conditions to avoid | : None known. |
| Incompatible materials | : not known |
| Hazardous decomposition products | : When handled and stored appropriately, no dangerous decomposition products are known |

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

None known.

Acute toxicity**Product:**

| | |
|---------------------------|--|
| Acute oral toxicity | : LD50 (Rat): > 2,000 mg/kg Remarks: Information refers to the main component. |
| Acute inhalation toxicity | : LC50 (Rat, male and female): > 5.6 mg/l Method: OECD Test Guideline 403 Remarks: Information refers to the main component. |
| Acute dermal toxicity | : Remarks: not tested. |

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Skin corrosion/irritation**Product:**

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

Serious eye damage/eye irritation**Product:**

Species: rabbit eye
Result: No eye irritation
Method: OECD Test Guideline 405

Respiratory or skin sensitisation**Product:**

Result: non-sensitizing
Remarks: Information refers to the main component.

Germ cell mutagenicity**Product:**

Genotoxicity in vitro : Test Type: Ames test
Method: OECD Test Guideline 471
Result: negative

Germ cell mutagenicity - Assessment : It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests.

Information refers to the main component.

Carcinogenicity**Product:**

Carcinogenicity - Assessment : No information available.

IARC Not listed

OSHA Not listed

NTP Not listed

Reproductive toxicity**Product:**

Reproductive toxicity - Assessment : No information available.

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STOT - single exposure**Product:**

Remarks: not tested.

STOT - repeated exposure**Product:**

Remarks: not tested.

Repeated dose toxicity**Product:**

NOAEL: 4,307 mg/kg

Method: Subacute oral toxicity

Remarks: Information refers to the main component.

Experience with human exposure**Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

- Toxicity to fish : EC50 (Danio rerio (zebra fish)): > 1,000 mg/l
Exposure time: 96 h
Method: DIN 38415-6
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
Exposure time: 48 h
Method: DIN 38412
- Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
End point: Growth rate
Exposure time: 72 h
Method: ISO 8692
- Toxicity to bacteria : EC50 (Pseudomonas putida): > 1,000 mg/l
Exposure time: 16 h
Method: DIN 38412 T.8

Persistence and degradability**Product:**

Biodegradability : Result: Readily biodegradable

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Biodegradation: 99 %
Exposure time: 8 d
Method: OECD Test Guideline 301E

Biochemical Oxygen Demand (BOD) : 0.15 kg/kg
Method: DIN 38409-H51

Chemical Oxygen Demand (COD) : 0.3 kg/kg
Method: DIN 38409-H-41

Bioaccumulative potential**Product:**

Bioaccumulation : Bioconcentration factor (BCF): 3,162
Remarks: The bioaccumulation potential of the main component of the mixture is expected to be low.

Mobility in soil**Product:**

Distribution among environmental compartments : Remarks: not tested.

Other adverse effects**Product:**

Environmental fate and pathways : Remarks: no data available

Results of PBT and vPvB assessment : Taking into account all available toxicity and ecotoxicity data, it can be concluded that the ingredients of the mixture described here do not fulfil the criteria to be classified as either PBT or vPvB.

Additional ecological information : May be eliminated in purification plants

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

RCRA - Resource Conservation and Recovery Act

Authorization Act
Waste Code : NONE

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

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

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SECTION 14. TRANSPORT INFORMATION

| | |
|-------------|----------------|
| DOT | not restricted |
| IATA | not restricted |
| IMDG | not restricted |

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.**SARA 313** : This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.**Clean Water Act**

Contains no known priority pollutants at concentrations greater than 0.1%.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION**Further information**Observe national and local legal requirements
None known.

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SAFETY DATA SHEET



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This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.

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