

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 04/29/2016

Revision: 04/29/2016

1 Identification

- **Product identifier**
- **Trade name:** Blade Ice
- **Other product identifiers:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Alcohol cleaner
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Wahl Clipper Corporation
2900 N. Locust Street
Sterling, IL 61081 USA
Phone: (815) 625-6525
- **Emergency telephone number:**
ChemTel Inc.
+1 (800)255-3924, +1 (813)248-0585



2 Hazard(s) identification

- **Classification of the substance or mixture**
Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**

GHS02 GHS04
- **Signal word:** Danger
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements:**
H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.
- **Precautionary statements:**
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P251 Pressurized container: Do not pierce or burn, even after use.
P211 Do not spray on an open flame or other ignition source.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- **Other hazards** There are no other hazards not otherwise classified that have been identified.

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3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Components:**

68476-86-8	Petroleum gases, liquefied, (Nota K, -R45, R46, <0.1% 1,3-butadiene buta-1,3-diene)	50-100%
	<ul style="list-style-type: none"> ⚠ Flam. Gas 1, H220 ⚠ Press. Gas, H280 	
64-17-5	ethanol	25-40%
	<ul style="list-style-type: none"> ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2A, H319 	

- **Additional information:**

For the wording of the listed Hazard Statements refer to section 16.

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

4 First-aid measures

- **Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

- **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Unlikely route of exposure.

Do not induce vomiting; immediately call for medical help.

- **Most important symptoms and effects, both acute and delayed:**

Headache

Dizziness

Frostbite

Thirst

Disorientation

- **Indication of any immediate medical attention and special treatment needed:**

Treat frost-bitten areas appropriately.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:** None.

- **Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

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Danger of receptacles bursting because of high vapor pressure if heated.

- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information:**
Eliminate all ignition sources if safe to do so.
Cool endangered receptacles with water spray.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Keep away from ignition sources.
Protect from heat.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Allow to evaporate.
Pick up mechanically.
Clean the affected area carefully; suitable cleaners are:
Warm water and cleansing agent
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Avoid splashes or spray in enclosed areas.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C, i.e. electric lights. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
Emergency cooling must be available in case of nearby fire.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.

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- Observe official regulations on storing packagings with pressurized containers.
- Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from oxidizing agents.
- **Further information about storage conditions:**
 - Store in cool, dry conditions in well sealed receptacles.
 - Keep containers tightly sealed.
 - Protect from heat and direct sunlight.
 - Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
- **Specific end use(s):** No relevant information available.

8 Exposure controls/personal protection

- **Control parameters**

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

64-17-5 ethanol

PEL	1900 mg/m ³ , 1000 ppm
REL	1900 mg/m ³ , 1000 ppm
TLV	Short-term value: 1880 mg/m ³ , 1000 ppm

- **Exposure controls**
- **Personal protective equipment:**
- **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.
 - Do not inhale gases / fumes / aerosols.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:**
 - Not required under normal conditions of use.
 - For spills, respiratory protection may be advisable.
- **Protection of hands:**
 - Not required under normal conditions of use.
 - Wear protective gloves to handle contents of damaged or leaking units.
- **Eye protection:**



Safety glasses

- **Body protection:** Not required under normal conditions of use.
- **Limitation and supervision of exposure into the environment** No special requirements.
- **Risk management measures** See Section 7 for additional information.

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9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

 Form: Aerosol

 Color: Clear

· Odor: Citrus.

· Odor threshold: Not determined.

· pH-value at 20 °C (68 °F): 7.08

· Melting point/Melting range: Not determined.

· Boiling point/Boiling range: Not applicable, as aerosol.

· Flash point: < -18 °C (< -0 °F)

· Flammability (solid, gaseous): Highly flammable.

· Auto-ignition temperature: Not determined.

· Decomposition temperature: Not determined.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Explosion limits

 Lower: 1.9 Vol %

 Upper: 9.5 Vol %

· Vapor pressure at 51 °C (124 °F): 115 psig

· Density at 20 °C (68 °F): 0.75 g/cm³ (6.259 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not applicable.

· Solubility in / Miscibility with
 Water:

Fully miscible.

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

· Viscosity

 Dynamic: Not determined.

 Kinematic: Not determined.

· Other information: No relevant information available.

10 Stability and reactivity

· **Reactivity:** No relevant information available.

· **Chemical stability:**

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

Keep away from heat and direct sunlight.

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- **Possibility of hazardous reactions:**
Flammable.
Danger of receptacles bursting because of high vapor pressure if heated.
Reacts with oxidizing agents.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
- **Conditions to avoid:** Excessive heat.
- **Incompatible materials:** Oxidizers
- **Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Hydrocarbons

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:**
Based on available data, the classification criteria are not met.
Contact with rapidly expanding gas may cause burns or frostbite.
- **On the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Subacute to chronic toxicity:** Vapors have narcotic effect.
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer):**

64-17-5 ethanol

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- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

- **Probable route(s) of exposure:**

Inhalation.
Eye contact.
Skin contact.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity** No relevant information available.
- **Persistence and degradability** Biodegradable.
- **Bioaccumulative potential:** Does not accumulate in organisms
- **Mobility in soil:** No relevant information available.
- **Additional ecological information**
- **General notes:**
This statement was deduced from products with a similar structure or composition.
Due to available data on eliminability/decomposition and bioaccumulation potential, a prolonged damage of the environment is unlikely.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Other adverse effects:** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Contact waste processors for recycling information.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1950
- **UN proper shipping name**
 Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3 gal).
- **DOT** Aerosols
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** Aerosols, flammable

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- **Transport hazard class(es)**

- **DOT**



- **Class** 2.1
- **Label** 2.1

- **ADR**



- **Class** 2 5F Gases
- **Label** 2.1

- **IMDG, IATA**



- **Class** 2.1
- **Label** 2.1

- **Packing group** Aerosols are not assigned a packing group.

- **Environmental hazards**

- **Marine pollutant:** No

- **Special precautions for user** Warning: Gases

- **Danger code (Kemler):** -

- **EMS Number:** F-D,S-U

- **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**

- **United States (USA)**

- **SARA**

- **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 304 (emergency release notification):**

None of the ingredients are listed.

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<ul style="list-style-type: none"> · Sections 311/312 (hazardous chemical threshold planning quantity in pounds):

None of the ingredients are listed.

<ul style="list-style-type: none"> · Section 355 (extremely hazardous substances):
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None of the ingredients are listed.

<ul style="list-style-type: none"> · Section 313 (Specific toxic chemical listings):
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None of the ingredients are listed.

<ul style="list-style-type: none"> · TSCA (Toxic Substances Control Act)
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All ingredients are listed.

<ul style="list-style-type: none"> · Proposition 65 (California)
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<ul style="list-style-type: none"> · Chemicals known to cause cancer:

None of the ingredients are listed.

<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for females:
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None of the ingredients are listed.

<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for males:
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None of the ingredients are listed.

<ul style="list-style-type: none"> · Chemicals known to cause developmental toxicity:

Ethanol - listing refers specifically to alcoholic beverage consumption and is not applicable for product.
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64-17-5 ethanol

<ul style="list-style-type: none"> · Carcinogenic categories
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<ul style="list-style-type: none"> · EPA (Environmental Protection Agency):

None of the ingredients are listed.

<ul style="list-style-type: none"> · IARC (International Agency for Research on Cancer):
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64-17-5 ethanol

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<ul style="list-style-type: none"> · NIOSH-Ca (National Institute for Occupational Safety and Health):
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None of the ingredients are 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 preparation / last revision** 04/29/2016 / -

- **Abbreviations and acronyms:**

ADR: 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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Gas 1: Flammable gases, Hazard Category 1

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Flam. Aerosol 1: Flammable aerosols, Hazard Category 1
Press. Gas: Gases under pressure: Compressed gas
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Sources

SDS Prepared by:
ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
Website: www.chemtelinc.com