

# Safety Data Sheet

## Engine Ice - Ice Water

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Engine Ice - Ice Water
<b>Other Means of Identification</b>	86-519, 86-519-1, 86-519-1-1000, 86-519SH-1000, BULK-16510
<b>Recommended Use</b>	Please refer to Product label.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer/Supplier Identifier</b>	KOST USA, Inc., 1000 Tennessee Avenue Cincinnati, OH 45229 USA www.kostusa.com
<b>Emergency Phone No.</b>	+1 800 661 9361
<b>SDS No.</b>	1560

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1C; Eye irritation - Category 2A

#### Label Elements



Signal Word:  
Danger

#### Hazard Statement(s):

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.

#### Precautionary Statement(s):

##### Prevention:

P260 Do not breathe dusts or mists.  
P264 Wash hands and skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

##### Response:

P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
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.

P337 + P313 If eye irritation persists: Get medical advice or attention.

P363 Wash contaminated clothing before reuse.

**Storage:**

Store in a well ventilated place. Keep cool. Keep container tightly closed. Store locked up.

**Disposal:**

Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Alkanoic Acid.	CBI			
Alkanoic Acid.	CBI			
SODIUM SALT OF ARYLCARBONATE	CBI			
SODIUM SALT OF ARYLAZOLE	CBI			

**Notes**

The specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

**First-aid Measures**

**Inhalation**

Remove source of exposure or move to fresh air. Call a Poison Centre or doctor if you feel unwell.

**Skin Contact**

Avoid direct contact. Wear chemical protective clothing if necessary. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Call a Poison Centre or doctor if you feel unwell. If skin irritation occurs, get medical advice or attention. Clean clothing, shoes and leather goods.

**Eye Contact**

Avoid direct contact. Wear chemical protective gloves if necessary. Quickly and gently blot or brush chemical off the face. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice or attention.

**Ingestion**

Rinse mouth with water. Call a Poison Centre or doctor if you feel unwell.

**Most Important Symptoms and Effects, Acute and Delayed**

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Immediate Medical Attention and Special Treatment**

**Target Organs**

Skin, eyes.

**Special Instructions**

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities

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have been ingested or inhaled.

#### **Medical Conditions Aggravated by Exposure**

None known.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire.

#### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Product**

Does not burn. This product presents no unusual hazards in a fire situation. Closed containers may rupture violently when heated releasing contents.

Not known to generate any hazardous decomposition products in a fire.

### **Special Protective Equipment and Precautions for Fire-fighters**

Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills.

See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

No special precautions are necessary.

### **Environmental Precautions**

Do not allow into any sewer, on the ground or into any waterway.

### **Methods and Materials for Containment and Cleaning Up**

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

### **Conditions for Safe Storage**

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent

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leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Alkanoic Acid.	Not established	Not established	Not established	Not established		
Alkanoic Acid.	Not established	Not established	Not established	Not established		
SODIUM SALT OF ARYLCARBONATE	Not established	Not established	Not established	Not established		
SODIUM SALT OF ARYLAZOLE	Not established	Not established	Not established	Not established		

### Appropriate Engineering Controls

The hazard potential of this product is relatively low. General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Not normally required if product is used as directed. For non-routine or emergency situations: wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Clear yellow liquid.
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	7.8 - 8.5
<b>Melting Point/Freezing Point</b>	-10 - 0 °C (14 - 32 °F) (melting); -10 - 0 °C (14 - 32 °F) (freezing)
<b>Initial Boiling Point/Range</b>	197 °C (387 °F)
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	0.01 (n-butyl acetate = 1)
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not applicable (lower)
<b>Vapour Pressure</b>	0.060 mm Hg (0.008 kPa) at 20 °C
<b>Vapour Density (air = 1)</b>	2.1
<b>Relative Density (water = 1)</b>	1.12 - 1.13 at 20 °C
<b>Solubility</b>	Soluble in water; Not available (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	400 °C (752 °F)
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); 21 mPa.s at 20 °C (dynamic)

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## Other Information

Physical State	Liquid
Molecular Weight	Not applicable

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

None known.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None known.

### Conditions to Avoid

None known.

### Incompatible Materials

Slightly reactive or incompatible with the following materials: oxidizing agents (e.g. peroxides), strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide).

### Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Skin contact; eye contact.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Alkanoic Acid.	Not available	Not available	Not available
Alkanoic Acid.	Not available	Not available	Not available
SODIUM SALT OF ARYLCARBONATE	> 12 mg/L (rat) (4-hour exposure)	1600 mg/kg (mouse)	> 2000 mg/kg (rabbit)
SODIUM SALT OF ARYLAZOLE	Not available	735 mg/kg (rat)	Not available

LC50: Not applicable.

LD50 (oral): Not applicable.

LD50 (dermal): Not applicable.

### Skin Corrosion/Irritation

Human experience and animal tests show moderate or severe irritation.

### Serious Eye Damage/Irritation

Human experience and animal tests show serious eye irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May be harmful based on human experience and animal tests. At high concentrations nose and throat irritation.

#### Skin Absorption

No information was located.

#### Ingestion

May be harmful based on human experience and animal tests. (SODIUM SALT OF ARYLAZOLE)

### Aspiration Hazard

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Not known to be an aspiration hazard.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause If inhaled and/or following skin contact: dermatitis. Symptoms may include dry, red, cracked skin (dermatitis). effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above, irritation of the respiratory system. Respiratory tract injury has been observed, effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above.

### Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Alkanoic Acid.	Not Listed	Not designated	Not Listed	Not Listed
Alkanoic Acid.	Not Listed	Not designated	Not Listed	Not Listed
SODIUM SALT OF ARYLCARBONATE	Not Listed	Not designated	Not Listed	Not Listed
SODIUM SALT OF ARYLAZOLE	Not Listed	Not designated	Not Listed	Not Listed

### Reproductive Toxicity

#### Development of Offspring

Not known to harm the unborn child.

#### Sexual Function and Fertility

No information was located.

#### Effects on or via Lactation

No information was located.

### Germ Cell Mutagenicity

Not known to be a mutagen.

### Interactive Effects

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Alkanoic Acid.	Not available	Not available		
Alkanoic Acid.	Not available	Not available		
SODIUM SALT OF ARYLCARBONATE	484 mg/L (Pimephales promelas (fathead minnow); 96-hour)	> 100 mg/L (Daphnia magna (water flea); 96-hour)		
SODIUM SALT OF ARYLAZOLE	Not available	Not available		

#### Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Alkanoic Acid.	Not available		Not available	
Alkanoic Acid.	Not available		Not available	
SODIUM SALT OF	Not available		Not available	

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ARYLCARBONATE				
SODIUM SALT OF ARYLAZOLE	Not available		Not available	

**Persistence and Degradability**

No information was located.

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

No information was located.

**Other Adverse Effects**

There is no information available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14. TRANSPORT INFORMATION**

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1760	CORROSIVE LIQUID, N.O.S. (potassium hydroxide)	8	III
US DOT	1760	CORROSIVE LIQUID, N.O.S. (potassium hydroxide)	8	III

**Environmental Hazards** Not applicable

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**Proof of Dangerous Goods Classification**

**Date of Classification** March 05, 2021  
**Technical Name** CORROSIVE LIQUID, N.O.S.  
**Classification** 8 PG III  
**Classification Method** OECD 435

**SECTION 15. REGULATORY INFORMATION**

**Safety, Health and Environmental Regulations**

**Canada**

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL/NDSL.

**USA**

**Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Compliance and Regulatory Department  
**Phone No.** 905-878-5544  
**Date of Preparation** October 02, 2015  
**Date of Last Revision** March 08, 2021  
**Revision Indicators** The following SDS content was changed on February 03, 2017:  
Section 11 - Toxicological Information; LC50/LD50 values.  
The following SDS content was changed on March 08, 2021:  
SECTION 2. HAZARD IDENTIFICATION; Classification;  
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES; pH; Relative Density;  
SECTION 14. TRANSPORT INFORMATION; Shipping Information; Proof of Dangerous Goods Classification.

**Additional Information** We are committed to uphold the Industry Consumer Ingredient Communication Voluntary Initiative.  
Please send us your request by visiting our website at [www.recochem.com](http://www.recochem.com).

Ingredients present (intentionally added ingredients) at a concentration of greater than one percent (1%) shall be listed in descending order of predominance. Ingredients present at a concentration of not more than one percent shall be listed but may be disclosed without respect to order of predominance.

**Disclaimer** Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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