

#### **Section 1: IDENTIFICATION**

#### 1.1 PRODUCT IDENTIFIER

Product Name: Kool-It Supreme Coolant Treatment
Product Code: 96001, 96050, 96055, 96110, 96808

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Use:** Supplemental Coolant Additive.

#### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Name/Address: International Lubricants, Inc.

P.O. Box 24743, Seattle WA

98124-0743, USA

**Telephone Number:** (206) 762-5343

(800) 333-LUBE (5823)

### 1.4 EMERGENCY TELEPHONE NUMBER

**Emergency Telephone** CHEM TEL (800) 255-3924 **Number**: CHEM TEL (813) 248-0585

#### Section 2: HAZARD(S) IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE CHEMICAL ACCORDING TO OSHA HAZCOM 2012

**Hazard class** 

Skin Irritant 2 Eye Irritant 2A Reproductive Toxicity 2

#### 2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

## **Hazard Pictogram:**





Signal Word: Warning

Hazard Statement: Causes skin irritation. Causes serious eye irritation. Suspected of

damaging fertility or the unborn child.

**Prevention:** Wash hands thoroughly after handling. Obtain special instructions

before use. Do not handle until all safety precautions have been

read and understood. Wear protective gloves/protective

clothing/eye protection/face protection.

**Response:** If exposed or concerned: Get medical advice/attention. If on skin:

Wash with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation

persists: Get medical advice/attention.

Trade Name: Kool-It Supreme Coolant Treatment



Storage: Store locked up.

**Disposal:** Dispose of contents and container in accordance with all local,

regional, national and international regulations.

#### 2.3 ADDITIONAL INFORMATION

Hazards not otherwise classified: Not available.

#### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 MIXTURES

Ingredient	CAS No	Wt. %
Sodium nitrite	7632-00-0	0.5 - 1.5
Sodium metasilicate	6834-92-0	0.1 - 1
Sodium tetraborate decahydrate	1303-96-4	0.1 - 1
Sodium hydroxide	1310-73-2	0.1 - 1
Potassium hydroxide	1310-58-3	0.1 - 1
Phenolphthalein	77-09-8	< 0.1

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

#### **Section 4: FIRST- AID MEASURES**

#### 4.1 DESCRIPTION OF THE FIRST AID MEASURE

**Eye:** In case of contact, immediately flush eyes with plenty of water for at

least 15 minutes. If easy to do, remove contact lenses, if worn. If

irritation persists, get medical attention.

**Skin:** In case of contact, immediately flush skin with plenty of water.

Remove contaminated clothing and shoes. Wash clothing before

reuse. Call a physician if irritation develops and persists.

**Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a

position comfortable for breathing. Get medical advice/attention if

you feel unwell.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by

medical personnel. Never give anything by mouth to an unconscious

person. Get medical advice/attention if you feel unwell.

## 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye: Causes serious eye irritation. Symptoms may include discomfort or

pain, excess blinking and tear production, with marked redness and

swelling of the conjunctiva.

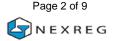
**Skin:** Causes skin irritation. Symptoms may include redness, edema,

drying, defatting and cracking of the skin.

**Inhalation:** May cause respiratory tract irritation.

**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea

or vomiting.





#### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

**Note to Physicians:** In case of inhalation of decomposition products in a fire, symptoms

may be delayed. The exposed person may need to be kept under

medical surveillance for 48 hours.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice

immediately (show the label or MSDS where possible).

#### Section 5: FIRE-FIGHTING MEASURES

#### **5.1 EXTINGUISHING MEDIA**

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

**Unsuitable Extinguishing Media:** None known.

5.2 SPECIAL HAZARDS ARISING FROM THE CHEMICAL

**Products of Combustion:** May include, and are not limited to: oxides of carbon, nitrogen

oxides, phosphorus oxides, metal oxides.

### 5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

#### **Section 6: ACCIDENTAL RELEASE MEASURES**

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

# 6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

**Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite),

then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Cleaning-Up:** Scoop up material and place in a disposal container. Provide ventilation.

## **Section 7: HANDLING AND STORAGE**

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Handling:** Avoid contact with skin and eyes. Avoid breathing vapour or mist. Do

not swallow. Handle and open container with care. Use only

outdoors or in a well-ventilated area. When using do not eat, drink or

smoke.(See section 8)

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before

eating, drinking, or smoking.

# 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Keep out of the reach of children. Keep container tightly closed. Keep

only in original container. Keep out of direct sunlight. Store in a cool, dry, well ventilated place away from incompatible materials. (See section 10)

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# Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **8.1 CONTROL PARAMETERS**

#### **Exposure Guidelines**

Occupational Exposure Limits		
Ingredient	OSHA-PEL	ACGIH-TLV
Sodium nitrite	Not available.	Not available.
Sodium metasilicate	Not available.	Not available.
		2 mg/m³ TWA (inhalable fraction)
Sodium tetraborate decahydrate	Not available.	6 mg/m³ STEL (inhalable fraction)
Sodium hydroxide	2 mg/m³	2 mg/m³
Potassium hydroxide	Not available.	2 mg/m³
Phenolphthalein	Not available.	Not available.

#### **8.2 EXPOSURE CONTROLS**

**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust,

fume, vapor, etc.) below recommended exposure limits.

### **8.3 INDIVIDUAL PROTECTIVE MEASURES**

**Personal Protective Equipment:** 

Eye/Face Protection: Wear eye protection.

**Skin Protection:** 

Hand Protection: Wear chemically resistant protective gloves.

**Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the

selected respirator.

**General Health and Safety** 

Handle according to established industrial hygiene and safety

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Measures: practices.

# **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Not available.

Color: Pink.
Odor: None.

Odor Threshold: Not available.

Physical State: Liquid.

**pH:** 11.2 - 11.3

Melting Point/Freezing Point: Not available.

Initial Boiling Point and Boiling Range: Not available.

**Flash Point:** > 93.3 °C (>200 °F)

**Evaporation Rate:** Not available.



Flammability:

Lower Flammability/Explosive Limit:

Upper Flammability/Explosive Limit:

Vapor Pressure:

Vapor Density:

Not available.

Not available.

Not available.

Relative Density/Specific Gravity: 1.05 g/mL

**Solubility:** Easily soluble in the following materials: cold water and

hot water.

Partition coefficient: n-octanol/water:

Auto-ignition Temperature:

Not available.

Not available.

Not available.

Viscosity:

Not available.

Not available.

Not available.

Explosive Properties:

Not available.

Not available.

#### Section 10: STABILITY AND REACTIVITY

# **10.1 REACTIVITY**

No dangerous reaction known under conditions of normal use.

#### **10.2 CHEMICAL STABILITY**

Stable under normal storage conditions.

#### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reaction known under conditions of normal use.

#### **10.4 CONDITIONS TO AVOID**

Heat. Incompatible materials.

#### 10.5 INCOMPATIBLE MATERIALS

Oxidizers, reducing agents, acids, moisture.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May include, and are not limited to: oxides of carbon, nitrogen oxides, phosphorus oxides, metal oxides.

# **Section 11: TOXICOLOGICAL INFORMATION**

#### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

**Likely Routes of Exposure:** Skin contact, eye contact, inhalation, and ingestion.

# Symptoms related to physical/chemical/toxicological characteristics:

**Eye:** Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of

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the conjunctiva.

**Skin:** Causes skin irritation. Symptoms may include redness, edema, drying,

defatting and cracking of the skin.





Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Inhalation:** May cause respiratory tract irritation.

#### **Acute Toxicity:**

Ingredient	LC50	LD50
Sodium nitrite	Inhalation LC50 Rat 5.5 mg/L 4 h	Oral LD50 Rat180 mg/kg
	Not available.	
Sodium metasilicate		Oral LD50 Rat 600 mg/kg
Sodium tetraborate decahydrate	Not available.	Oral LD50 Rat 2660 mg/kg
		Oral LD <sub>lo</sub> Rabbit 500 mg/kg;
Sodium hydroxide	Not available.	Dermal LD50 Rabbit 1350 mg/kg
Potassium hydroxide	Not available.	Oral LD50 Rat 214 mg/kg
		Oral LD50 Rat > 2000 mg/kg
Phenolphthalein	Not available.	Dermal LD50 Rabbit > 3 g/kg

Calculated overall Chemical Acute Toxicity Values		
LC50 (inhalation) LD50 (oral) LD50 (dermal)		
> 20 mg/L 4 h, rat > 2000 mg/kg, rat > 2000 mg/kg, rabbit		

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)*
Sodium nitrite	Not listed.
Sodium metasilicate	Not listed.
Sodium tetraborate decahydrate	G-A4
Sodium hydroxide	Not listed.
Potassium hydroxide	Not listed.
Phenolphthalein	I-2B, N-2, CP65

<sup>\*</sup> See Section 15 for more information.

#### 11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE

**Skin Corrosion/Irritation:** Causes skin irritation.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory Sensitization:

Skin Sensitization:

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

STOT-Single Exposure:

Based on available data, the classification criteria are not met.

**Chronic Health Effects:** 

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on available data, the classification criteria are not met.

Reproductive Toxicity:

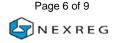
**Developmental:** Suspected of damaging the unborn child.

Fertility: Suspected of damaging fertility.

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.

Other Information: Not available.





# **Section 12: ECOLOGICAL INFORMATION**

#### 12.1 ECOTOXICITY

Acute/Chronic Toxicity: May cause long-term adverse effects in the aquatic environment.

# 12.2 PERSISTENCE AND DEGRADABILITY

Not available.

# 12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Not available.

#### **12.4 MOBILITY IN SOIL**

Not available.

#### 12.5 OTHER ADVERSE EFFECTS

Not available.

#### **Section 13: DISPOSAL CONSIDERATIONS**

#### 13.1 WASTE TREATMENT METHODS

**Disposal Method:** This material must be disposed of in accordance with all

local, state, provincial, and federal regulations.

Other disposal recommendations: Not available.

#### **Section 14: TRANSPORT INFORMATION**

# **14.1 UN NUMBER**

Not regulated.

# 14.2 UN PROPER SHIPPING NAME

Not applicable.

# 14.3 TRANSPORT HAZARD CLASS(ES)

Not applicable.

# 14.4 PACKING GROUP

Not applicable.

# 14.5 ENVIRONMENTAL HAZARDS

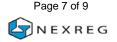
Not applicable.

# 14.6 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not applicable.

# 14.7 SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.





### **Section 15: REGULATORY INFORMATION**

#### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE **CHEMICAL**

SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

SARA Title III				
Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Sodium nitrite	Not listed.	Not listed.	100	313
Sodium metasilicate	Not listed.	Not listed.	Not listed.	Not listed.
Sodium tetraborate decahydrate	Not listed.	Not listed.	Not listed.	Not listed.
Sodium hydroxide	Not listed.	Not listed.	1,000	Not listed.
Potassium hydroxide	Not listed.	Not listed.	1,000	Not listed.
Phenolphthalein	Not listed.	Not listed.	Not listed.	313

# **State Regulations**

# **California Proposition 65:**

This product contains a chemical known to the State of California to cause cancer.

#### **Global Inventories:**

Ingredient	USA TSCA
Sodium nitrite	Yes.
Sodium metasilicate	Yes.
Sodium tetraborate decahydrate	Yes.
Sodium hydroxide	Yes.
Potassium hydroxide	Yes.
Phenolphthalein	Yes.

NFPA-National Fire Protection Association:		
Health: 2		
Fire:	1	
Reactivity:	0	

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

## SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

#### OSHA (O) Occupational Safety and Health Administration.

#### ACGIH (G) American Conference of Governmental Industrial Hygienists.

- A1 Confirmed human carcinogen.
- A2 Suspected human carcinogen.
- A3 Animal carcinogen.
- A4 Not classifiable as a human carcinogen.
- A5 Not suspected as a human carcinogen.

#### IARC (I) International Agency for Research on Cancer.

- 1 The agent (mixture) is carcinogenic to humans.
- 2A The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

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- 3 The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.





NTP (N) National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

#### **Section 16: OTHER INFORMATION**

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Prepared by: Nexreg Compliance Inc.

Phone: (519) 488-5126

www.nexreg.com

Prepared for: International Lubricants Inc.

**End of Safety Data Sheet** 

