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Version 1.04

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product identifier****Product name** 80-772 A.C. COIL CLEANER**Recommended use of the chemical and restrictions on use****Product code** F00523**Product Type** Extremely Flammable Aerosol  
**Synonyms** None**Supplier's details****Recommended Use** Air Conditioner Coil Cleaner.**Uses advised against** **No information available****Manufactured For:**  
Kimball Midwest  
4800 Roberts Rd.  
Columbus, OH 43228  
800-233-1294**Emergency telephone number**  
**Chemical Emergency Phone Number** CHEMTREC : 1-800-424-9300  
**Company Emergency Phone Number** 800-233-1294

**2. HAZARDS IDENTIFICATION**

**Classification**

Acute Toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 1
Aspiration toxicity	Category 1
Flammable Aerosols	Category 1
Gases under pressure	Compressed Gas

**GHS Label elements, including precautionary statements**

**Emergency Overview**

**DANGER**

**Hazard Statements**  
 Harmful in contact with skin  
 Harmful if inhaled  
 Causes skin irritation.  
 Causes serious eye irritation.  
 Suspected of causing cancer.  
 Causes damage to organs (Eyes, Skin, Respiratory System, Central Nervous System and Gastrointestinal Tract ).  
 May be fatal if swallowed and enters airways.  
 Extremely Flammable Aerosol  
 Contains gas under pressure; may explode if heated



**Appearance** Light haze to clear                      **Physical state** Aerosol                      **Odor** Fragrance

**Precautionary Statements - Prevention**

- 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.
- Use only outdoors or in a well-ventilated area.
- Wash face, hands and any exposed skin thoroughly after handling.
- Do not breathe dust, fumes, gas, mist, vapors, spray.
- Do not eat, drink or smoke when using this product.
- Keep away from heat, sparks, open flames, hot surfaces - No smoking.
- Do not spray on an open flame or other ignition source.
- Pressurized container: Do not pierce or burn, even after use.

**Precautionary Statements - Response**

- Specific measures (see first aid on this label)
- Specific treatment (see first aid on this label).
- IF EXPOSED: Call a POISON CENTER or doctor, physician
- 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

IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation occurs: Get medical advice, attention.  
 Take off contaminated clothing and wash before reuse.  
 Call a POISON CENTER or doctor, physician if you feel unwell.  
 IF INHALED : Remove person to fresh air and keep comfortable for breathing.  
 Call a POISON CENTER or doctor, physician if you feel unwell.  
 IF SWALLOWED: Immediately call a POISON CENTER, doctor, physician.  
 Do NOT induce vomiting.

**Precautionary Statements - Storage**

Store locked up.  
 Protect from sunlight. Store in a well-ventilated place  
 Do not expose to temperatures exceeding 122°F (50°C)

**Precautionary Statements - Disposal**

Dispose of contents, container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC)**

None

**Other information**

0% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %*
ISOPROPYL ALCOHOL	67-63-0	20-30
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	20-30
ETHANOL	64-17-5	10-20
METHANOL	67-56-1	1-10
BOUQUET F-32887 FRAGRANCE	WITHHELD	1-10
MONOETHANOLAMINE	141-43-5	<1
SODIUM BENZOATE	532-32-1	<1
METHYL ISOBUTYL KETONE	108-10-1	<1
SODIUM NITRITE	7632-00-0	<1
MUSK KETONE	81-14-1	<0.1
Geraniol	106-24-1	<0.1
EUGENOL	97-53-0	<0.01
Coumarin	91-64-5	<0.01

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

<b>General advice</b>	Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, or gas.
<b>Eye contact</b>	Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. If eye irritation persists, consult a doctor.
<b>Skin contact</b>	Wash off with soap and plenty of water. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped,

contact emergency medical services immediately.

**Ingestion**

Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

**Protection of First-aiders**

Remove all sources of ignition.

**Most important symptoms/effects, acute and delayed****Main Symptoms**

Harmful in contact with skin. Harmful if inhaled. Causes skin and serious eye irritation. Suspected of causing cancer. Causes damage to organs. May be fatal if swallowed and enters airways.

**Indication of immediate medical attention and special treatment needed, if necessary****Notes to physician**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water fog. Dry chemical. Foam. Carbon dioxide (CO<sub>2</sub>). Cool containers/tanks with water spray.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire. Keep away from sources of ignition - No smoking.

**Specific hazards arising from the chemical**

Extremely Flammable / Flammable. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

**Hazardous Combustion Products**

Acrid smoke/fumes. Carbon oxides, Hydrocarbons, Fumes. Sulfur oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** none.

**Sensitivity to Static Discharge** Yes.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers. In the event of fire and/or explosion do not breathe fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Use with adequate ventilation to keep the exposure levels below the OELS. Follow safe handling advice and personal protective equipment recommendations.

**Environmental precautions****Environmental precautions**

Vapors can accumulate in low areas. Report spills as required by local and federal regulations. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

**Methods and materials for containment and cleaning up****Methods for Containment**

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

**Methods for cleaning up**

Soak up with inert absorbent material. Contain liquid and collect with an inter,

non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate cans. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges.

**Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

**Incompatible products** Strong acids, alkalis, oxidizing agents.

**Aerosol Level** 2

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ISOPROPYL ALCOHOL 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6: TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	74-98-6: IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> 106-97-8: TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup> 75-28-5: TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
ETHANOL 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
METHANOL 67-56-1	STEL: 250 ppm TWA: 200 ppm Skin - potential significant contribution to overall exposure by the cutaneous route	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m <sup>3</sup> (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>
MONOETHANOLAMINE 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m <sup>3</sup> (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m <sup>3</sup> (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m <sup>3</sup>	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m <sup>3</sup> STEL: 6 ppm STEL: 15 mg/m <sup>3</sup>
METHYL ISOBUTYL KETONE 108-10-1	STEL: 75 ppm TWA: 20 ppm	TWA: 100 ppm TWA: 410 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 205 mg/m <sup>3</sup> (vacated) STEL: 75 ppm (vacated) STEL: 300 mg/m <sup>3</sup>	IDLH: 500 ppm TWA: 50 ppm TWA: 205 mg/m <sup>3</sup> STEL: 75 ppm STEL: 300 mg/m <sup>3</sup>

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Exposure controls**

**Engineering Measures** Showers, eyewash stations, and ventilation systems. Ventilation systems. Use adequate ventilation to keep the exposure levels below the occupational exposure limits. Showers. Eyewash stations.

**Individual protection measures, such as personal protective equipment**

- Eye/Face Protection** Safety glasses with side-shields. Tightly fitting safety goggles.
- Skin and body protection** Chemical resistant apron. Protective gloves.
- Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical and chemical properties

<b>Physical state</b>	Aerosol	<b>Odor</b>	Fragrance
<b>Appearance</b>	Light haze to clear	<b>Odor Threshold</b>	
<b>Color</b>	Amber/Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
<b>pH</b>	11.4	+/- 0.50
<b>Melting/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>		
<b>Flash Point</b>	-104 °C / -156 °F	Based on propellant
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
upper flammability limit		
lower flammability limit		
<b>Vapor pressure</b>		
<b>Vapor density</b>		
<b>Specific Gravity</b>	0.832	
<b>Water solubility</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>		
<b>Autoignition temperature</b>	No information available	Not applicable
<b>Decomposition temperature</b>		
<b>Viscosity</b>	No information available	
<b>Explosive properties</b>		

Other information

<b>VOC Content(%)</b>	65.53
<b>MIR Value</b>	0.74

**10. STABILITY AND REACTIVITY**

Reactivity

Stable under recommended storage conditions No data available conditions

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

Strong acids, alkalis, oxidizing agents.

**Hazardous Decomposition Products**

Carbon oxides , Hydrocarbons, Fumes.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Harmful if inhaled.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Skin contact</b>	Harmful in contact with skin. Causes skin irritation.
<b>Ingestion</b>	May be fatal if swallowed and enters airways.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
ISOPROPYL ALCOHOL 67-63-0	= 1870 mg/kg ( Rat )	= 4059 mg/kg ( Rabbit )	= 72600 mg/m <sup>3</sup> ( Rat ) 4 h
ETHANOL 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
METHANOL 67-56-1	= 6200 mg/kg ( Rat )	= 15800 mg/kg ( Rabbit ) = 15840 mg/kg ( Rabbit )	= 22500 ppm ( Rat ) 8 h = 64000 ppm ( Rat ) 4 h
MONOETHANOLAMINE 141-43-5	= 1720 mg/kg ( Rat )	= 1 mL/kg ( Rabbit ) = 1000 mg/kg ( Rabbit )	-
SODIUM BENZOATE 532-32-1	= 4070 mg/kg ( Rat )	-	-
METHYL ISOBUTYL KETONE 108-10-1	= 2080 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	2000 - 4000 ppm ( Rat ) 4 h
SODIUM NITRITE 7632-00-0	= 85 mg/kg ( Rat )	-	= 5.5 mg/L ( Rat ) 4 h
Geraniol 106-24-1	= 3600 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
EUGENOL 97-53-0	= 1930 mg/kg ( Rat )	-	-
Coumarin 91-64-5	= 293 mg/kg ( Rat ) > 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-

**Information on toxicological effects****Symptoms**

Harmful in contact with skin. Harmful if inhaled. Causes skin and serious eye irritation. Suspected of causing cancer. Causes damage to organs listed below. May be fatal if swallowed and enters airways.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Irritating to skin.  
**Eye damage/irritation** Irritating to eyes.  
**Sensitization** Not a known sensitizer.  
**Germ cell mutagenicity** Not a germ cell mutagen.  
**Carcinogenicity** The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
METHYL ISOBUTYL KETONE 108-10-1	A3	Group 2B	-	X
SODIUM NITRITE 7632-00-0	-	Group 2A	-	X
EUGENOL 97-53-0	-	Group 3	-	-
Coumarin 91-64-5	-	Group 3	-	-

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP: (National Toxicity Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

**Reproductive toxicity** This product does not contain any known or suspected reproductive hazards.  
**Specific target organ systemic toxicity (single exposure)** Causes damage to Target Organs listed below.  
**Specific target organ systemic toxicity (repeated exposure)** No known effect based on information supplied.  
**Chronic toxicity** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.  
**Target Organ Effects** Central Nervous System, Gastrointestinal Tract, Eyes, Respiratory System, and Skin.  
**Neurological effects** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.  
**Aspiration hazard** May be fatal if swallowed and enters airways.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.  
 The following values are calculated based on chapter 3.1 of the GHS document .  
**ATEmix (oral)** 24161 mg/kg  
**ATEmix (dermal)** 14904 mg/kg  
**ATEmix (inhalation-gas)** 87069 mg/l  
**ATEmix (inhalation-dust/mist)** 68.2 mg/l  
**ATEmix (inhalation-vapor)** 637 mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
ISOPROPYL ALCOHOL 67-63-0	1000 mg/L EC50 Desmodesmus subspicatus 72h 1000 mg/L EC50 Desmodesmus subspicatus 96h	11130 mg/L LC50 Pimephales promelas 96h static 9640 mg/L LC50 Pimephales promelas 96h flow-through 1400000 µg/L LC50 Lepomis macrochirus 96h	-	13299 mg/L EC50 Daphnia magna 48h
ETHANOL 64-17-5	-	12.0 - 16.0 mL/L LC50 Oncorhynchus mykiss 96h static 13400 - 15100 mg/L	-	9268 - 14221 mg/L LC50 Daphnia magna 48h 10800 mg/L EC50 Daphnia magna

		LC50 Pimephales promelas 96h flow-through 100 mg/L LC50 Pimephales promelas 96h static		24h 2 mg/L EC50 Daphnia magna 48h Static
METHANOL 67-56-1	-	13500 - 17600 mg/L LC50 Lepomis macrochirus 96h flow-through 18 - 20 mL/L LC50 Oncorhynchus mykiss 96h static 19500 - 20700 mg/L LC50 Oncorhynchus mykiss 96h flow-through 28200 mg/L LC50 Pimephales promelas 96h flow-through 100 mg/L LC50 Pimephales promelas 96h static	-	-
MONOETHANOLAMINE 141-43-5	15 mg/L EC50 Desmodemus subspicatus 72h	114 - 196 mg/L LC50 Oncorhynchus mykiss 96h static 300 - 1000 mg/L LC50 Lepomis macrochirus 96h static 227 mg/L LC50 Pimephales promelas 96h flow-through 3684 mg/L LC50 Brachydanio rerio 96h static 200 mg/L LC50 Oncorhynchus mykiss 96h flow-through	-	65 mg/L EC50 Daphnia magna 48h
SODIUM BENZOATE 532-32-1	-	420 - 558 mg/L LC50 Pimephales promelas 96h flow-through 100 mg/L LC50 Pimephales promelas 96h static	-	650 mg/L EC50 Daphnia magna 48h
METHYL ISOBUTYL KETONE 108-10-1	400 mg/L EC50 Pseudokirchneriella subcapitata 96h	496 - 514 mg/L LC50 Pimephales promelas 96h flow-through	-	170 mg/L EC50 Daphnia magna 48h
SODIUM NITRITE 7632-00-0	-	0.092 - 0.13 mg/L LC50 Oncorhynchus mykiss 96h flow-through 0.4 - 0.6 mg/L LC50 Oncorhynchus mykiss 96h semi-static 0.65 - 1 mg/L LC50 Oncorhynchus mykiss 96h static 0.19 mg/L LC50 Oncorhynchus mykiss 96h flow-through 2.3 mg/L LC50 Pimephales promelas 96h flow-through 20 mg/L LC50 Pimephales promelas 96h static	-	-
Geraniol 106-24-1	-	22 mg/L LC50 Danio rerio 96h static	-	-
EUGENOL 97-53-0	-	13 mg/L LC50 Danio rerio 96h semi-static	-	-

**Persistence and degradability****Bioaccumulation**

Chemical Name	log Pow
ISOPROPYL ALCOHOL 67-63-0	0.05
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	2.8
ETHANOL 64-17-5	-0.32
METHANOL	-0.77

67-56-1	
MONOETHANOLAMINE 141-43-5	-1.91
SODIUM BENZOATE 532-32-1	-2.13
METHYL ISOBUTYL KETONE 108-10-1	1.19
SODIUM NITRITE 7632-00-0	-3.7

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste Disposal Methods**

This material, as supplied, is a hazardous waste according to Federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations. Dispose of in accordance with local regulations. Dispose of in accordance with federal, state, and local regulations.

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Pressurized container: Do not pierce or burn, even after use. Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT Ground**

LIMITED QUANTITY  
or  
CONSUMER COMMODITY ORM-D

**IATA**

UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD .QTY.

**IMDG**

UN1950, AEROSOLS, 2.1, LTD.QTY

**15. REGULATORY INFORMATION**

SCHEDULE B CODE: 3820.00.0000.

**International Inventories**

Chemical Name	TSCA	DSL/NDL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
ISOPROPYL ALCOHOL	X	X	X	X	X	X	X	X
PROPANE/ISOBUTANE/N-BUTANE	X	X	X	Not listed	X	X	X	X
ETHANOL	X	X	X	X	X	X	X	X
METHANOL	X	X	X	X	X	X	X	X
MONOETHANOLAMINE	X	X	X	X	X	X	X	X
SODIUM BENZOATE	X	X	X	X	X	X	X	X
METHYL ISOBUTYL	X	X	X	X	X	X	X	X

KETONE								
SODIUM NITRITE	X	X	X	X	X	X	X	X
Geraniol	X	X	X	X	X	X	X	X
EUGENOL	X	X	X	X	X	X	X	X
Coumarin	X	X	X	X	X	X	X	X

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**CHINA** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %*	SARA 313 - Threshold Values %
ISOPROPYL ALCOHOL - 67-63-0	67-63-0	20-30	1.0
METHANOL - 67-56-1	67-56-1	1-10	1.0
METHYL ISOBUTYL KETONE - 108-10-1	108-10-1	<1	0.1
SODIUM NITRITE - 7632-00-0	7632-00-0	<1	1.0

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes  
**Chronic Health Star Hazard** Yes  
**Fire Hazard** Yes  
**Sudden Release of Pressure Hazard** Yes  
**Reactive Hazard** No

**Clean Water Act**

This product does contain the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
SODIUM NITRITE 7632-00-0	100 lb			X

**CERCLA**

This material, as supplied, does contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
METHANOL 67-56-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
METHYL ISOBUTYL KETONE 108-10-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
SODIUM NITRITE 7632-00-0	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:



This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Chemical Name	California Prop. 65
ETHANOL - 64-17-5	*Ethyl alcohol in alcoholic beverages -For this application is not apply or considered a Proposition 65 chemical / Developmental / 10-20%
METHANOL - 67-56-1	Developmental / 1-10%
METHYL ISOBUTYL KETONE - 108-10-1	Cancer Developmental <1%

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
DEIONIZED WATER 7732-18-5			X
ISOPROPYL ALCOHOL 67-63-0	X	X	X
ETHANOL 64-17-5	X	X	X
METHANOL 67-56-1	X	X	X
MONOETHANOLAMINE 141-43-5	X	X	X
METHYL ISOBUTYL KETONE 108-10-1	X	X	X
SODIUM NITRITE 7632-00-0	X	X	X

EPA Pesticide Registration Number Not applicable

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

**Legend**

NPRI - National Pollutant Release Inventory

**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazard 2	Flammability 4	Instability 0	Physical and chemical hazards -
<b>HMIS</b>	Health Hazard 2*	Flammability 4	Physical Hazard 1	Personal protection B
<i>Chronic Hazard Star Legend</i>		<i>Chronic Health Star Hazard Repeated or prolonged exposure may cause central nervous system damage</i>		

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 (M)SDS sections updated 3 8 11 12 15 1

**Disclaimer**

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The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**