

SAFETY DATA SHEET



Date Prepared : 10/29/2010
 MSDS No : 0471A
 Date Revised : 05/04/2015
 Revision No : 3

De-Ice Aerosol

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: De-Ice Aerosol
GENERAL USE: Ice Melt
PRODUCT CODE: 0471A

MANUFACTURER

Detco Industries, Inc.
 PO Box 430
 Conway, AR 72033
Product Stewardship: (800) 282-2133

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 3
 Acute Toxicity (Inhalation), Category 3
 Acute Toxicity (Dermal), Category 3
 Skin Irritation, Category 2
 Eye Irritation, Category 2B
 Target Organ Toxicity (Single exposure), Category 1

Physical:

Flammable Aerosols, Category 1
 Dissolved Gases

GHS LABEL



Flame



Gas cylinder



Skull and crossbones



Health hazard



Exclamation mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H222: Extremely flammable aerosol.
 H280: Contains gas under pressure; may explode if heated.
 H301: Toxic if swallowed.
 H331: Toxic if inhaled.
 H311: Toxic in contact with skin.
 H315: Causes skin irritation.
 H320: Causes eye irritation.
 H370: Causes damage to organs .

PRECAUTIONARY STATEMENT(S)

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

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P211: Do not spray on an open flame or other ignition source.
 P251: Pressurized container: Do not pierce or burn, even after use.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P264: Wash hands thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P271: Use only outdoors or in a well-ventilated area.

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P330: Rinse mouth.
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 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/attention.
 P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P362: Take off contaminated clothing and wash before reuse.

Storage:

P410: Protect from sunlight.
 P412: Do not expose to temperatures exceeding 50°C/ 122°F.
 P403: Store in a well-ventilated place.
 P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with federal, state and local regulations.

TARGET ORGAN STATEMENT: Central nervous system, eyes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Methanol	60 - 100	67-56-1
Ethylene Glycol	5 - 10	107-21-1
Carbon Dioxide	3 - 7	124-38-9
Isopropanol	1 - 5	67-63-0

4. FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes. If pain and/or irritation persists, get medical attention.

SKIN: Flush affected area with water for 15 minutes. Remove contaminated clothing. If pain and/or irritation persists, get medical attention. Launder clothes before reusing.

INGESTION: Do not induce vomiting. Give 2 glasses of water. Get immediate medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

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GENERAL HAZARD: Fire exposed containers may rupture.

EXTINGUISHING MEDIA: Carbon dioxide, water, foam or dry chemical.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Remove all sources of ignition. Contain spill. Absorb liquid and place in sealed container for disposal.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Store as Level 3 Aerosol (NFPA 30B)

STORAGE: Keep away from sources of ignition. Do not store at temperatures above 120F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Methanol	TWA	200 ppm ^[1]	260 mg/m ³ ^[1]	200 ppm	262 mg/m ³	NL ppm	NL mg/m ³
	STEL	ppm	mg/m ³	250 ppm	328 mg/m ³	NL ppm	NL
Ethylene Glycol	TWA	ppm ^[2]	mg/m ³ ^[2]	ppm	mg/m ³	NL	NL
	STEL	ppm ^[3]	mg/m ³ ^[3]	ppm	mg/m ³	NL	NL
Isopropanol	TWA	400 ppm	980 mg/m ³	200 ppm	490 mg/m ³	NL ^[2]	NL ^[2]
	STEL	ppm	mg/m ³	400 ppm	960 mg/m ³	NL	NL

Footnotes:

1. S = Skin
2. NL = Not Listed
3. C = Ceiling

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles).

SKIN: Wear rubber or nitrile gloves.

RESPIRATORY: None.

PROTECTIVE CLOTHING: None.

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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Aerosol-Pressurized Liquid/Gas
ODOR: Alcohol
COLOR: Colorless
pH: Not Determined
FLASHPOINT AND METHOD: Extremely Flammable Aerosol
FLAMMABLE LIMITS: N/D to N/D
VAPOR PRESSURE: 89 mmHg
VAPOR DENSITY: > 1 (Air=1)
BOILING POINT: > 64.4°C (148°F)
FREEZING POINT: Not Determined
SOLUBILITY IN WATER: Soluble
EVAPORATION RATE: > 1
SPECIFIC GRAVITY: 0.82
Notes: Concentrate Only.
(VOC): 96.000 %
COEFF. OIL/WATER: Not Determined

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.
STABILITY: Stable.
CONDITIONS TO AVOID: Temperatures above 120F, heat, flame and sources of ignition.
POSSIBILITY OF HAZARDOUS REACTIONS: None known.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.
INCOMPATIBLE MATERIALS: Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

Chemical Name	IARC Status
Isopropanol	3

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

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14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

PRIMARY HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
Methanol	60 - 100	67-56-1
Ethylene Glycol	5 - 10	107-21-1
Isopropanol	1 - 5	67-63-0

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Methanol	60 - 100	5,000 lbs.
Ethylene Glycol	5 - 10	5,000

CALIFORNIA PROPOSITION 65

Chemical Name	Wt. %	Listed
Methanol	60 - 100	• Developmental Toxicity

16. OTHER INFORMATION

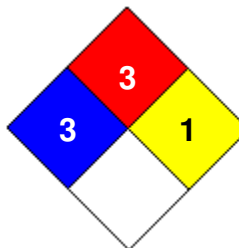
PREPARED BY: E. Spicer **Date Revised:** 05/04/2015

REVISION SUMMARY: This MSDS replaces the 05/04/2015 MSDS.

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	3
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	B

NFPA CODES



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