

Ice Away

SDS Number: A130H

Revision Date: 2/14/2018

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PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

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Product Identifier: Ice Away
SDS Number: A130H
Product Code: A130
Revision Date: 2/14/2018
Product Use: Industrial De-Icer

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

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HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Aerosols, 1
Health, Acute toxicity, 3 Oral
Health, Acute toxicity, 3 Dermal
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Acute toxicity, 3 Inhalation
Health, Specific target organ toxicity - Single exposure, 1

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:



GHS Hazard Statements:

H222 - Extremely flammable aerosol
H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H370 - Causes damage to organs.

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P211 - Do not spray on an open flame or other ignition source.
P251 - Pressurized container: Do not pierce or burn, even after use.
P260 - Do not breathe the mist or vapor.
P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

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- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 - IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes.. Remove contact lenses, if present and easy to do. Continue rinsing.
- P306+360 - IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
- P403 - Store in a well-ventilated place.
- P405 - Store locked up.
- P410 - Protect from sunlight.
- P411 - Store at temperatures not exceeding 49 °C/120 °F.
- P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

- Route of Entry:** Ingestion, skin , inhalation, eyes
- Target Organs:** Cardiac. Central nervous system. Gastro-intestinal tract. Lungs. Respiratory system.
- Inhalation:** Toxic if inhaled. May cause damage to organs by inhalation.
- Skin Contact:** Toxic in contact with skin.
- Eye Contact:** Causes serious eye irritation.
- Ingestion:** Toxic if swallowed.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
67-56-1	60-80%	Methanol
107-21-1	2.5-10%	Ethylene glycol
67-63-0	2.5-10%	Isopropyl alcohol
124-38-9	1-2.5%	Carbon dioxide
74-98-6	1-2.5%	Propane
111-46-6	0.1-1%	Diethylene glycol

All other components below reportable levels 10-20%

4 FIRST AID MEASURES

- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a Poison Center or doctor/physician.
- Skin Contact:** Take off immediately all contaminated clothing. Wash off with soap and water. get medical advice/attention if you feel unwell. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.
- Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
- Ingestion:** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Most important symptoms/effects, acute and delayed:
 Headache, Dizziness. Nausea, vomiting. Severe eye irritation. symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Take off immediately all contaminated clothing. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in

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attendance.

5**FIRE FIGHTING MEASURES****Flash Point:** -156.0 °F (-104.4 °C) Propellant estimated**Autoignition Temp:** 829.72 °F (443.18 °C) estimatedSuitable extinguishing media: Alcohol resistant foam. Powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting equipment/instructions: Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards: Extremely flammable aerosol.

6**ACCIDENTAL RELEASE MEASURES**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7**HANDLING AND STORAGE**

Handling Precautions: Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be

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grounded. Do not re-use empty containers. Do not breathe gas. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

Storage Requirements:

Level 1 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls:

Ensure adequate ventilation, especially in confined areas to keep TLV below acceptable limits.

Personal Protective Equipment:

Eye/face protection: Wear safety glasses with side shields (or goggles).
 Skin protection Hand protection : Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
 Respiratory protection: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
 Other: Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Do not get this material in contact with eyes. When using, do not eat, drink or smoke. Do not get this material in contact with skin. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Methanol cas#:(67-56-1) [60-80%]

Components with workplace control parameters

TWA 200 ppm USA. ACGIH Threshold Limit Values (TLV)
Headache Eye damage Substances for which there is a Biological Exposure Index or Indices (see BEI section) Danger of cutaneous absorption

STEL 250 ppm USA. ACGIH Threshold Limit Values (TLV)
Headache Eye damage Substances for which there is a Biological Exposure Index or Indices (see BEI section) Danger of cutaneous absorption

TWA 200 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
260 mg/m3 1910.1000
Skin notation

STEL 250 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
325 mg/m3 1910.1000
Skin notation

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TWA 200 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1
260 mg/m3 Limits for Air Contaminants

The value in mg/m3 is approximate.

TWA 200 ppm USA. NIOSH Recommended Exposure Limits
260 mg/m3

Potential for dermal absorption

ST 250 ppm USA. NIOSH Recommended Exposure Limits
325 mg/m3

Potential for dermal absorption

Ethylene glycol cas#:(107-21-1) [2.5-10%]

Components with workplace control parameters
See Appendix D - Substances with No Established RELs

C 50 ppm USA. OSHA - TABLE Z-1 Limits for
125 mg/m3 Air Contaminants - 1910.1000

C 100 mg/m3 USA. ACGIH Threshold Limit Values
(TLV)

Eye & Upper Respiratory Tract irritation
Not classifiable as a human carcinogen

Isopropyl alcohol cas#:(67-63-0) [2.5-10%]

Components with workplace control parameters

TWA 200 ppm USA. ACGIH Threshold Limit Values
(TLV)

Eye & Upper Respiratory Tract irritation
Central Nervous System impairment
Not classifiable as a human carcinogen

STEL 400 ppm USA. ACGIH Threshold Limit Values
(TLV)

Eye & Upper Respiratory Tract irritation
Central Nervous System impairment
Not classifiable as a human carcinogen

TWA 400 ppm USA. OSHA - TABLE Z-1 Limits for
980 mg/m3 Air Contaminants - 1910.1000

STEL 500 ppm USA. OSHA - TABLE Z-1 Limits for
1,225 mg/m3 Air Contaminants - 1910.1000

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TWA 400 ppm USA. Occupational Exposure Limits
980 mg/m3 (OSHA) - Table Z-1 Limits for Air
Contaminants

The value in mg/m3 is approximate.

TWA 400 ppm USA. NIOSH Recommended
980 mg/m3 Exposure Limits

ST 500 ppm USA. NIOSH Recommended
1,225 mg/m3 Exposure Limits

Carbon dioxide cas#:(124-38-9) [1-2.5%]

Components with workplace control parameters

TWA 5,000 ppm USA. ACGIH Threshold Limit Values (TLV)
Asphyxia

STEL 30,000 ppm USA. ACGIH Threshold Limit Values (TLV)
Asphyxia

TWA 10,000 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
18,000 mg/m3 1910.1000
Exposures under 10,000 ppm to be cited as de minimus.

STEL 30,000 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
54,000 mg/m3 1910.1000

TWA 5,000 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1
9,000 mg/m3 Limits for Air Contaminants
The value in mg/m3 is approximate.

TWA 5,000 ppm USA. NIOSH Recommended Exposure Limits
9,000 mg/m3
Normal constituent of air (about 300 ppm).

ST 30,000 ppm USA. NIOSH Recommended Exposure Limits
54,000 mg/m3
Normal constituent of air (about 300 ppm).

Propane cas#:(74-98-6) [1-2.5%]

Components with workplace control parameters

TWA 1,000 ppm USA. ACGIH Threshold Limit Values
(TLV)

Central Nervous System impairment
Cardiac sensitization

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TWA 1,000 ppm USA. Occupational Exposure Limits
1,800 mg/m3 (OSHA) - Table Z-1 Limits for Air
Contaminants

The value in mg/m3 is approximate.

TWA 1,000 ppm USA. OSHA - TABLE Z-1 Limits for
1,800 mg/m3 Air Contaminants - 1910.1000

TWA 1,000 ppm USA. NIOSH Recommended
1,800 mg/m3 Exposure Limits

Diethylene glycol cas#:(111-46-6) [0.1-1%]

Components with workplace control parameters

TWA 10 mg/m3 USA. Workplace Environmental
Exposure Levels (WEEL)

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Aerosol	Odor:	Not available
Physical State:	Gas	Flash Point:	-156.00F (-104.44 C) Propellant estimated
Spec Grav./Density:	0.853 estimated	Octanol:	NA
Boiling Point:	212 °F (100 °C) estimated	Vapor Density:	(Air=1): > 1
Vapor Pressure:	65 - 85 psig @70F estimated	Auto-Ignition Temp:	829.72 °F (443.18 °C) estimated
pH:	Not available	UFL/LFL:	33.2 % estimated/6 % estimated

10	STABILITY AND REACTIVITY
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Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Material is stable under normal conditions.
Conditions to Avoid:	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Materials to Avoid:	Strong oxidizing agents. Isocyanates. Chlorine.
Hazardous Decomposition:	No hazardous decomposition products are known.
Hazardous Polymerization:	Hazardous polymerization does not occur.

11	TOXICOLOGICAL INFORMATION
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Information on likely routes of exposure

Inhalation	Toxic if inhaled. May cause damage to organs by inhalation.
Skin contact	Toxic in contact with skin.

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Eye contact

Causes serious eye irritation.

Ingestion

Toxic if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Headache. Dizziness. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects**Acute toxicity**

Toxic if inhaled. Toxic in contact with skin. Toxic if swallowed.

Diethylene Glycol n-Butyl Ether (CAS 111-46-6)

Acute**Oral** LD50 1120 mg/kg (Human)

LD50 16500 mg/kg (Rat)

Ethylene Glycol (CAS 107-21-1)

Acute

Dermal LD50 > 3500 mg/kg (Mouse)

Oral LD50 7712 mg/kg (Rat)

Inhalation LC50 > 2.5 mg/l, 6 Hours (Rat)

Isopropyl Alcohol (CAS 67-63-0)

Acute

Dermal LD50 16.4 ml/kg, 24 Hours (Rabbit)

Oral LD50 5.84 g/kg (Rat)

Inhalation LC50 > 10000 ppm, 6 Hours (Rat)

Methanol (CAS 67-56-1)

Acute

Inhalation LC50 85.41 mg/l, 4.5 h (Cat)

43.68 mg/l, 6 h (Cat)

79.43 mg/l, 134 Minutes (Mouse)

> 115.9 mg/l, 4 Hours (Rat)

82.1 mg/l, 6 Hours (Rat)

Oral LD50 6000 mg/kg (Monkey)

1187 - 2769 mg/kg (Rat)

> 5000 mg/kg (Pig)

Propane (CAS 74-98-6)

Acute

Inhalation LC50 1237 mg/l, 120 Minutes (Mouse)

52 %, 120 Minutes

1355 mg/l (Rat)

658 mg/l/4h (Rat)

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation

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Serious eye damage/eye irritation

Respiratory or skin sensitization

Prolonged skin contact may cause temporary irritation. Causes serious eye irritation.

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization Germ cell mutagenicity

This product is not expected to cause skin sensitization.

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity

Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated exposure

This product is not expected to cause reproductive or developmental effects.

Skin. Respiratory system. May cause damage to organs. Central nervous system. Eyes. Gastrointestinal tract.

Not classified.

Aspiration hazard

Not likely, due to the form of the product.

Chronic effects

Prolonged inhalation may be harmful.

Ecotoxicity Harmful to aquatic life.

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Ecotoxicological data:

Diethylene Glycol n-Butyl Ether (CAS 111-46-6)

Aquatic

Crustacea EC50 84000 mg/L, 48 Hours (Daphnia)

Fish LC50 > 32000 mg/l, 96 hours Western mosquitofish (Gambusia affinis)

Ethylene Glycol (CAS 107-21-1)

Crustacea EC50 46300 mg/L, 48 h (Daphnia)

Fish LC50 8050 mg/l, 96 h Fathead minnow (Pimephales promelas)

Isopropyl Alcohol (CAS 67-63-0)

Algae IC50 1000.0001 mg/L, 72 h (Algae)

Crustacea EC50 13299 mg/L, 48 h (Daphnia)

Fish LC50 >1400 mg/l, 96 h Bluegill (Lepomis macrochirus)

Methanol (CAS 67-56-1)

Crustacea EC50 >10000 mg/l, 48 h Water Flea (Daphnia magna)

Fish LC50 .100 mg/l, 96 h Fathead minnow (Pimephales promelas)

Estimates for product may be based on additional component data not shown.

Environmental effects An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and degradability Not available

Partition coefficient

Ethylene Glycol	-1.36
Isopropyl Alcohol	0.05
Methanol	-0.77
Propane	2.36

Mobility in soil

No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13	DISPOSAL CONSIDERATIONS
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Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Dispose in accordance with all applicable regulations.

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14	TRANSPORT INFORMATION
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DOT

UN number	UN1950
UN proper shipping name	Aerosols, flammable (each not exceeding 1 L capacity)
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity until 12/31/2020, the "Consumer Commodity-ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking on both and may be displayed concurrently.

IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	No
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
Packaging exceptions	LTD QTY

IMDG

UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	
Marine pollutant	No
EmS	F-D, S-U

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Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Packaging exceptions NOT a LTD QTY
Transport in bulk according to Not applicable.
AnnexII of MARPOL 73/78 and the IBC Code

15	REGULATORY INFORMATION
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Component (CAS#) [%] - CODES

RQ(5000LBS), Methanol (67-56-1) [60-80%] CERCLA, GADSL, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

RQ(5000LBS), Ethylene glycol (107-21-1) [2.5-10%] CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

Isopropyl alcohol (67-63-0) [2.5-10%] MASS, NJHS, NRC, OSHAWAC, PA, TSCA, TXAIR

Carbon dioxide (124-38-9) [1-2.5%] MASS, OSHAWAC, PA, TSCA, TXAIR

Propane (74-98-6) [1-2.5%] MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

Diethylene glycol (111-46-6) [0.1-1%] HAP, PA, TSCA

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Regulatory CODE Descriptions

RQ = Reportable Quantity
CERCLA = Superfund clean up substance
GADSL = Global Automotive Declarable Substance List (GADSL)
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHA = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICRCRA = RCRA Toxic Hazardous wastes (U-List)
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List
NRC = Nationally Recognized Carcinogens

16	OTHER INFORMATION
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We believe the statements technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

N/A = Not available N/D = Not determined