



Kelpresol D3 - Circulatory Dispersant & Vascular Conditioning Formula

Safety Data Sheet

Section 1: Identification

Product identifier

Product Name

- Kelpresol D3

Relevant identified uses of the substance or mixture and uses advised against

Recommended use

- Arterial Co-Injection Embalming Fluid

Details of the supplier of the safety data sheet

Manufacturer

- Kelco Supply
20000 176th Street NW
Big Lake, MN 55309
United States
www.kelcosupply.com
info@kelcosupply.com

Telephone (General) • 800-328-7720

Emergency telephone number

- 800-424-9300 - CHEMTREC
- 202-483-7616 - CHEMTREC International
- 800-328-7720 - Kelco Supply Company-Customer Service

Manufacturer

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012

- Combustible liquid
Skin Sensitization 1
Eye Irritation 2
Germ Cell Mutagenicity 2
Reproductive Toxicity 2
Specific Target Organ Toxicity Single Exposure 2
Specific Target Organ Toxicity Repeated Exposure 1

Label elements

OSHA HCS 2012

DANGER



Hazard statements

- Combustible liquid
May cause an allergic skin reaction
Causes serious eye irritation
Suspected of causing genetic defects.
Suspected of damaging fertility.
Suspected of damaging the unborn child.

May cause damage to organs.
Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

- Prevention** • Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust, fumes, gas, mists, vapours, and/or spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves, clothing, and eye/face protection.
- Response** • IN CASE OF FIRE: Use appropriate media for extinction.
IF ON SKIN: Wash with plenty of soap and water.
Wash contaminated clothing before reuse.
Specific treatment, see supplemental first aid information.
If skin irritation or rash 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. IMMEDIATELY call POISON CENTER or doctor/physician.
If eye irritation persists: Get medical advice/attention.
If exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

- Storage/Disposal** • Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

Classification of the substance or mixture

WHMIS

- Combustible Liquids - B3
Toxic - D1B
Other Toxic Effects - D2A
Other Toxic Effects - D2B

Label elements

WHMIS



- Combustible Liquids - B3
Toxic - D1B
Other Toxic Effects - D2A
Other Toxic Effects - D2B

Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Methanol	CAS:67-56-1	N/A	Inhalation-Rat LC50 • 64000 ppm 4 Hour(s) Skin-Rabbit LD50 • 15800 mg/kg Ingestion/Oral-Rat LD50 • 5600 mg/kg	OSHA HCS 2012: Flam. Liq. 2; Eye Irrit. 2A; Skin Irrit. 2; STOT SE 3: Narc.; STOT RE 1 (Eyes); STOT SE 2 (Eyes); Repr. 2	NDA
Proprietary	Proprietary	N/A	NDA	OSHA HCS 2012: Muta. 2; Eye Irrit. 2; Skin Sens. 1; Acute Tox. 3 (orl); Acute Tox. 3 (inhl)	NDA
Proprietary	Proprietary	N/A	Ingestion/Oral-Rat LD50 • 100 mg/kg Inhalation-Rat LC50 • 203 mg/m ³ Skin-Rabbit LD50 • 270 mg/kg	OSHA HCS 2012: Exposure limits	NDA
Proprietary	Proprietary	N/A	Ingestion/Oral-Rat LD50 • 34500 µL/kg	OSHA HCS 2012: Eye Irrit. 2	NDA
Proprietary	Proprietary	N/A	Ingestion/Oral-Rat LD50 • 4700 mg/kg Skin-Rabbit LD50 • 9530 mg/kg	OSHA HCS 2012: Exposure Limits	NDA

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- Wash skin with soap and water. Remove and isolate contaminated clothing. If irritation develops and persists, get medical attention.

Eye

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.

Ingestion

- Rinse mouth. Do NOT induce vomiting. Seek medical attention immediately.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • SMALL FIRES: Dry chemical, CO₂, water spray or alcohol-resistant foam.
LARGE FIRES: Water spray, fog or alcohol-resistant foam.

Unsuitable Extinguishing Media • No data available

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Containers may explode when heated.
HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
Many liquids are lighter than water.
Vapors may form explosive mixtures with air.
Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
Vapors may travel to source of ignition and flash back.
Vapor explosion hazard indoors, outdoors or in sewers.
Runoff to sewer may create fire or explosion hazard.

Hazardous Combustion Products • No data available

Advice for firefighters

- Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
Wear positive pressure self-contained breathing apparatus (SCBA).
Move containers from fire area if you can do it without risk.
LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions • Ventilate enclosed areas. CAUTION: Victim may be a source of contamination. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures • ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Do not get water inside container. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Containment/Clean-up Measures • Stop leak if you can do it without risk.
Absorb small amounts on paper or rags and remove in a labeled, covered container.
For large spills absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Use clean non-sparking tools to collect absorbed material.
A vapor suppressing foam may be used to reduce vapors.
All equipment used when handling the product must be grounded.
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.
LARGE SPILLS: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Use only with adequate ventilation. Handle and open container with care. Keep away from heat, sparks, and flame. Take precautionary measures against static charges. All equipment used when handling the product must be grounded. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapours and/or spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

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

- Keep container tightly closed. Store in a dry, well-ventilated place. Keep away from fire.

Section 8 - Exposure Controls/Personal Protection**Control parameters**

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Proprietary (Proprietary)	STELs	Not established	Not established	2 ppm STEL (see 29 CFR 1910.1048)
	TWAs	Not established	0.016 ppm TWA	0.75 ppm TWA
	Ceilings	0.3 ppm Ceiling	0.1 ppm Ceiling (15 min)	Not established
Proprietary (Proprietary)	Ceilings	100 mg/m3 Ceiling (aerosol only)	Not established	Not established
Proprietary (Proprietary)	TWAs	0.1 mg/m3 TWA (inhalable fraction and vapor)	Not established	Not established
Methanol (67-56-1)	TWAs	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA	200 ppm TWA; 260 mg/m3 TWA
	STELs	250 ppm STEL	250 ppm STEL; 325 mg/m3 STEL	Not established

Exposure controls**Engineering Measures/Controls**

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof electrical/ventilating/lighting/equipment.

Personal Protective Equipment**Respiratory**

- Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear chemical splash safety goggles.

Skin/Body

- Wear appropriate gloves. Wear protective clothing - Splash apron

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties**Information on Physical and Chemical Properties**

Material Description			
Physical Form	Liquid	Appearance/Description	Clear red liquid with a pungent odor.
Color	Clear red.	Odor	Pungent
Odor Threshold	No data available		
General Properties			
Boiling Point	190 to 210 F(87.7778 to 98.8889 C)	Melting Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	> 1 Water=1	Water Solubility	Soluble 100 %
Viscosity	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	> 1 Air=1
Evaporation Rate	No data available	Volatiles (Wt.)	95 %
Volatiles (Vol.)	95 %		
Flammability			
Flash Point	> 140 F(> 60 C) CC (Closed Cup)	UEL	36 % Formaldehyde
LEL	6 %	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Keep away from heat, sparks, and flame.

Incompatible materials

- May react violently if mixed with phenol, strong acid and alkali or oxidizing agents.

Hazardous decomposition products

- No data available

Section 11 - Toxicological Information

Information on toxicological effects

Components		
		Acute Toxicity: Ingestion/Oral-Rat LD50 • 5600 mg/kg; Inhalation-Rat LC50 • 64000 ppm 4 Hour(s); Skin-Rabbit LD50 • 15800 mg/kg; Irritation: Eye-Rabbit • 100 mg 24 Hour(s) • Moderate irritation; Skin-Rabbit • 20 mg 24 Hour(s) • Moderate irritation;

Methanol (N/A)	67-56-1	Mutagen: Cytogenetic analysis • Ingestion/Oral-Mouse • 1 g/kg; DNA damage • Ingestion/Oral-Rat • 10 µmol/kg; Reproductive: Inhalation-Mouse TCLo • 1500 ppm 6 Hour(s)(7-9D preg); <i>Reproductive Effects:Specific Developmental Abnormalities:Central nervous system;</i> Tumorigen / Carcinogen: Inhalation-Rat TCLo • 1000 ppm 2 Year(s)-Intermittent; <i>Tumorigenic:Equivocal tumorigenic agent by RTECS criteria; Lungs, Thorax, or Respiration:Tumors; Tumorigenic:Increased incidence of tumors in susceptible strains</i>
Proprietary (N/A)	Proprietary	Acute Toxicity: Ingestion/Oral-Rat LD50 • 34500 µL/kg; Irritation: Eye-Rabbit • 150 mg • Mild irritation; Multi-dose Toxicity: Ingestion/Oral-Rat TDLo • 5000 mg/kg 10 Day(s)-Intermittent; <i>Liver:Changes in liver weight;</i> Tumorigen / Carcinogen: Ingestion/Oral-Rat TDLo • 2163 g/kg 2 Year(s)-Continuous; <i>Tumorigenic:Equivocal tumorigenic agent by RTECS criteria; Endocrine:Adrenal cortex tumors</i>
Proprietary (N/A)	Proprietary	Acute Toxicity: Ingestion/Oral-Rat LD50 • 200 mg/kg; <i>Behavioral:Muscle weakness;</i> Inhalation-Rat LC50 • 2410 mg/m³ 4 Hour(s); <i>Sense Organs and Special Senses:Olfaction:Other changes; Lungs, Thorax, or Respiration:Dyspnea;</i> Skin-Rat LD50 • >2 g/kg; <i>Skin and Appendages:After systemic exposure:Dermatitis, other;</i> Irritation: Eye-Rabbit • 20 mg • Severe irritation; Skin-Rabbit • 258 mg-Open • Mild irritation; Mutagen: DNA damage • Ingestion/Oral-Rat • 500 mg/kg; Unscheduled DNA synthesis • Ingestion/Oral-Rat • 300 mg/kg
Proprietary (N/A)	Proprietary	Acute Toxicity: Ingestion/Oral-Rat LD50 • 470 mg/kg; Ingestion/Oral-Man TDLo • 15 g/kg; <i>Peripheral Nerve and Sensation:Sensory change involving peripheral nerve; Gastrointestinal:Ulceration or bleeding from small intestine; Kidney, Ureter, and Bladder:Renal function tests depressed;</i> Ingestion/Oral-Man TDLo • 1195 mg/kg; <i>Peripheral Nerve and Sensation:Sensory change involving peripheral nerve; Kidney, Ureter, and Bladder:Renal function tests depressed;</i> Ingestion/Oral-Man TDLo • 24 g/kg; <i>Brain and Coverings:Other degenerative changes; Behavioral:Ataxia; Behavioral:Coma;</i> Ingestion/Oral-Rat TDLo • 120 mg/kg; <i>Blood:Changes in bone marrow not included above;</i> Inhalation-Human TCLo • 22 mg/m³; <i>Kidney, Ureter, and Bladder:Proteinuria;</i> Inhalation-Rat TCLo • 0.004 g/m³ 2 Hour(s); <i>Behavioral:Muscle contraction or spasticity; Lungs, Thorax, or Respiration:Respiratory stimulation; Gastrointestinal:Hypermotility, diarrhea;</i> Skin-Rabbit LD50 • 9530 mg/kg; Irritation: Eye-Rabbit • 100 mg 1 Hour(s) • Mild irritation; Skin-Rabbit • 555 mg-Open • Mild irritation; Multi-dose Toxicity: Inhalation-Rat TCLo • 1 mg/m³ 32 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Other changes; Liver:Liver function tests impaired; Kidney, Ureter, and Bladder:Changes in tubules (including acute renal failure, acute tubular necrosis);</i> Inhalation-Rat TCLo • 0.003 g/m³ 228 Day(s)-Intermittent; <i>Brain and Coverings:Other degenerative changes; Vascular:Structural changes in vessels; Lungs, Thorax, or Respiration:Emphysema;</i> Inhalation-Rat TCLo • 0.02 g/m³ 153 Day(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Emphysema; Kidney, Ureter, and Bladder:Changes in tubules (including acute renal failure, acute tubular necrosis); Blood:Changes in spleen;</i> Mutagen: Cytogenetic analysis • Ingestion/Oral-Rat • 1200 mg/kg; Reproductive: Ingestion/Oral-Mouse TDLo • 850 mg/kg (multigenerations); <i>Reproductive Effects:Specific Developmental Abnormalities:Urogenital system;</i> Inhalation-Mouse TCLo • 1000 mg/m³ 6 Hour(s)(6-15D preg); <i>Reproductive Effects:Effects on Fertility:Post-implantation mortality; Reproductive Effects:Effects on Embryo or Fetus:Fetotoxicity (except death, e.g., stunted fetus); Reproductive Effects:Effects on Newborn:Sex ratio;</i> Inhalation-Mouse TCLo • 2100 mg/m³ 6 Hour(s)(6-15D preg); <i>Reproductive Effects:Maternal Effects:Other effects; Reproductive Effects:Effects on Fertility:Pre-implantation mortality; Reproductive Effects:Effects on Fertility:Post-implantation mortality;</i> Inhalation-Rat TCLo • 2500 mg/m³ 6 Hour(s)(6-15D preg); <i>Reproductive Effects:Maternal Effects:Other effects; Reproductive Effects:Specific Developmental Abnormalities:Musculoskeletal system; Reproductive Effects:Specific Developmental Abnormalities:Other developmental abnormalities</i>

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • No data available
Aspiration Hazard	OSHA HCS 2012 • No data available
Carcinogenicity	OSHA HCS 2012 • No data available
Germ Cell Mutagenicity	OSHA HCS 2012 • Germ Cell Mutagenicity 2
Skin corrosion/Irritation	OSHA HCS 2012 • No data available
Skin sensitization	OSHA HCS 2012 • Skin Sensitizer 1
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1

STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 2
Toxicity for Reproduction	OSHA HCS 2012 • Toxic to Reproduction 2
Respiratory sensitization	OSHA HCS 2012 • No data available
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Irritation 2

Potential Health Effects

Inhalation

- Acute (Immediate)** • May cause irritation.
- Chronic (Delayed)** • No data available

Skin

- Acute (Immediate)** • May cause skin sensitization. Symptoms include redness, and skin rash.
- Chronic (Delayed)** • No data available

Eye

- Acute (Immediate)** • Causes serious eye irritation.
- Chronic (Delayed)** • No data available

Ingestion

- Acute (Immediate)** • No data available
- Chronic (Delayed)** • No data available

Other

- Acute (Immediate)** • Acute methanol toxicity in humans causes blurred vision, photophobia, and pains in the eyes. Depending on the amount of methanol consumed, the individual susceptibility and the time at which treatment began, these visual disturbances may either recede or develop within a few days into visual impairments or total blindness.
- Chronic (Delayed)** • The neurotoxic effects of methanol on the visual system can involve transient abnormalities such as peripapillary edema, optic disc hyperemia, diminished pupillary reactions to light, and central scotomata. Permanent ocular abnormalities include optic disc pallor, attenuation of arterioles, sheathing of arterioles, diminished pupillary reactions to light, diminished visual acuity, central scotomata, and other nerve fiber bundle defects. Boric acid may cause effects on the kidneys.

Mutagenic Effects

Carcinogenic Effects

- Repeated and prolonged exposure may cause mutagenic effects.
- This material does contain a component that may cause cancer, however based on regulatory criteria this material is not classified as a carcinogen.

Carcinogenic Effects				
	CAS	OSHA	IARC	NTP
Proprietary	Proprietary	Specifically Regulated Carcinogen	Group 1-Carcinogenic	Known Human Carcinogen

Reproductive Effects

- Repeated and prolonged exposure may affect the reproductive system.

Key to abbreviations

LC = Lethal Concentration
LD = Lethal Dose
TC = Toxic Concentration
TD = Toxic Dose

Section 12 - Ecological Information

Toxicity

- Non-mandatory section - information about this substance not compiled for this reason.

Persistence and degradability

- Non-mandatory section - information about this substance not complied for this reason.

Bioaccumulative potential

- Non-mandatory section - information about this substance not complied for this reason.

Mobility in Soil

- Non-mandatory section - information about this substance not complied for this reason.

Other adverse effects

- Non-mandatory section - information about this substance not complied for this reason.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	NDA	LIMITED QUANTITY-NOT REGULATED	LIMITED QUANTITY-NOT REGULATED	NDA	NDA
TDG	NDA	LIMITED QUANTITY-NOT REGULATED	LIMITED QUANTITY-NOT REGULATED	NDA	NDA

Special precautions for user

- None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Contact Kelco Supply

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

- Acute, Chronic, Fire

Inventory				
Component	CAS	Canada DSL	Canada NDSL	TSCA
Proprietary	Proprietary	Yes	No	Yes
Proprietary	Proprietary	Yes	No	Yes
Proprietary	Proprietary	Yes	No	Yes
Methanol	67-56-1	Yes	No	Yes
Proprietary	Proprietary	Yes	No	Yes

Canada

Labor**Canada - WHMIS - Classifications of Substances**

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	D2B, F
• <i>Proprietary</i>	<i>Proprietary</i>	A, B1, D1A, D2A, D2B; B3, D1A, D2A, D2B, E (regulated under Formol)
• Methanol	67-56-1	B2, D1B, D2A, D2B (including 28%)
• <i>Proprietary</i>	<i>Proprietary</i>	D1B, D2A

Canada - WHMIS - Ingredient Disclosure List

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	1 %
• <i>Proprietary</i>	<i>Proprietary</i>	0.1 %
• Methanol	67-56-1	1 %
• <i>Proprietary</i>	<i>Proprietary</i>	1 %

Environment**Canada - CEPA - Priority Substances List**

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Priority Substance List 2 (substance considered toxic)
• Methanol	67-56-1	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Priority Substance List 2 (substance not considered toxic)

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	1000 lb TQ
• Methanol	67-56-1	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	2 ppm STEL (See 29 CFR 1910.1048, 15 min); 0.5 ppm Action Level (See 29 CFR 1910.1048); 0.75 ppm TWA (See 29 CFR 1910.1048)
• Methanol	67-56-1	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	

• Methanol	67-56-1	
• <i>Proprietary</i>	<i>Proprietary</i>	
U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities		
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	100 lb final RQ; 45.4 kg final RQ
• Methanol	67-56-1	5000 lb final RQ; 2270 kg final RQ
• <i>Proprietary</i>	<i>Proprietary</i>	5000 lb final RQ; 2270 kg final RQ
U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities		
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Methanol	67-56-1	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	100 lb EPCRA RQ
• Methanol	67-56-1	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	500 lb TPQ
• Methanol	67-56-1	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
U.S. - CERCLA/SARA - Section 313 - Emission Reporting		
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	0.1 % de minimis concentration
• Methanol	67-56-1	1.0 % de minimis concentration
• <i>Proprietary</i>	<i>Proprietary</i>	1.0 % de minimis concentration
U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing		
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Methanol	67-56-1	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
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• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	carcinogen, initial date 1/1/88 (gas)
• Methanol	67-56-1	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
U.S. - California - Proposition 65 - Developmental Toxicity		
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Methanol	67-56-1	developmental toxicity, initial date 3/16/12
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)		
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Methanol	67-56-1	47000 µg/day MADL (inhalation); 23000 µg/day MADL (oral)
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)		
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	40 µg/day NSRL (gas)
• Methanol	67-56-1	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Female		
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Methanol	67-56-1	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Methanol	67-56-1	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

Other Information

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

Section 16 - Other Information

Last Revision Date	• 02/September/2022
Preparation Date	• 01/May/2012

Disclaimer/Statement of Liability

- The information on this Safety Data Sheet (SDS) has been compiled from 29 CFR 1910.1200, supplier SDS, other technical references and our testing and experience. Users are responsible for determining the suitability of this product and information for their circumstances and for knowing of and complying with all pertinent federal and state regulations.

Key to abbreviations

NDA = No Data Available
