Univar
3075 Highland Pkwy STE 200
Downers Grove, IL 60515
425-889-3400

SAFETY DATA SHEET

1. Identification

Product identifier: ETHANOL VANZOL A-1 190 PROOF

Other means of identification

SDS number: 000100001614

Recommended use and restriction on use

Recommended use: Reserved for industrial and professional use.

Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Univar

3075 Highland Pkwy STE 200

Downers Grove, IL 60515

425-889-3400

Emergency telephone number:For emergency assistance Involving chemicals

call CHEMTREC day or night at: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable liquids	Category 2

Health Hazards

Serious Eye Damage/Eye Irritation	Category 2A
Carcinogenicity	Category 1A
Environmental Hazards Acute hazards to the aquatic environment	Category 2
Chronic hazards to the aquatic environment	Category 2

Label Elements

Hazard Symbol

Signal Word	Danger
Hazard Statement	Highly flammable liquid and vapor. Poison: Vapor harmful; May be fatal or cause blindness if swallowed; Cannot be made nonpoisonous. Causes serious eye irritation. May cause cancer. Toxic to aquatic life with long lasting effects.
Precautionary Statements	
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid release to the environment.
Response	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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF exposed or concerned: Get medical advice/attention.

Storage	Store in a well-ventilated place. Store locked up.
Disposal	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Ethanol		64-17-5	75 - 85%
Isopropyl Alcohol		67-63-0	0 - 10%
Methanol		67-56-1	0 - 5%
Methyl Isobutyl Ketone		108-10-1	0 - 5%
Water		7732-18-5	0 - 5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: The components are not hazardous or are below required disclosure limits.

4. First-aid measures

Ingestion:	Do NOT induce vomiting. Never give liquid to an unconscious person. Get medical attention immediately.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.
Skin Contact:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Eye contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.

5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use: Powder, alcohol-resistant foam, water in large amounts, carbon dioxide.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical: Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

Methods and material for containment and cleaning up: All equipment used when handling the product must be grounded. Eliminate sources of ignition. Absorb spillage with non-combustible, absorbent material.

Notification Procedures: Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

Environmental Precautions: Avoid release to the environment. Do not contaminate water sources or sewer.

7. Handling and storage

Precautions for safe handling: Flammable/combustible - Keep away from oxidizers, heat and flames. Avoid contact with skin and eyes. Avoid breathing mists or vapors. Use only with adequate ventilation.

Conditions for safe storage, including any incompatibilities: Store locked up. Store in a well-ventilated place. Store in a cool place.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Ethanol	TWA	1,000 ppm 1,900 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL	1,910 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	1,880 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	1,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	1,010 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	1,000 ppm 1,900 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	1,000 ppm	US. ACGIH Threshold Limit Values (03 2013)
	REL	1,000 ppm 1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	1,000 ppm 1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	1,000 ppm 1,900	US. OSHA Table Z-1-A (29 CFR

			mg/m3	1910.1000) (1989)
Isopropyl Alcohol	STEL	500 ppm	1,225 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	TWA	400 ppm	980 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL		4,920 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL		492 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL		2,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL		200 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	400 ppm	980 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	500 ppm	1,225 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	TWA	200 ppm		US. ACGIH Threshold Limit Values (03 2016)
	STEL	400 ppm		US. ACGIH Threshold Limit Values (03 2016)
	REL	400 ppm	980 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	500 ppm	1,225 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	400 ppm	980 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (03 2016)
	STEL	500 ppm	1,225 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	400 ppm	980 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Methanol	TWA	200 ppm	260	US. Tennessee. OELs. Occupational

			mg/m3	Exposure Limits, Table Z1A (06 2008)
	STEL	250 ppm	325 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL		2,620 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL		2,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL		262 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL		200 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	Ceiling	1,000 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	TWA PEL	200 ppm	260 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	250 ppm	325 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	250 ppm		US. ACGIH Threshold Limit Values (03 2016)
	TWA	200 ppm		US. ACGIH Threshold Limit Values (03 2016)
	STEL	250 ppm	325 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	REL	200 ppm	260 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	200 ppm	260 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (03 2016)
	STEL	250 ppm	325 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	200 ppm	260 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

Methyl Isobutyl Ketone	TWA	50 ppm	205 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	75 ppm	300 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL		82 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL		700 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL		170 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL		20 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	50 ppm	205 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	75 ppm	300 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	TWA	20 ppm		US. ACGIH Threshold Limit Values (03 2016)
	STEL	75 ppm		US. ACGIH Threshold Limit Values (03 2016)
	REL	50 ppm	205 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	75 ppm	300 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	100 ppm	410 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (03 2016)
	STEL	75 ppm	300 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	50 ppm	205 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
Isopropyl Alcohol (acetone: Sampling time: End of shift at end of work week.)	40 mg/l (Urine)	ACGIH BEL (03 2013)
Methanol (methanol: Sampling time: End of shift.)	15 mg/l (Urine)	ACGIH BEL (03 2013)

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

General information: Provide easy access to water supply and eye wash facilities. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection: Chemical resistant gloves

Other: Chemical resistant clothing

Respiratory Protection: In case of inadequate ventilation use suitable respirator.

Hygiene measures: Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. When using do not smoke.

9. Physical and chemical properties

Physical state:	liquid
Form:	No data available.
Color:	No data available.
Odor:	No data available.
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	63 - 100 °C
Flash Point:	4 °C
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	0.798
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Heat, sparks, flames.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion:	No data available.
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix (): 19,298.97 mg/kg

Dermal

Product: ATEmix (): 40,000 mg/kg

Inhalation

Product: No data available.

Specified substance(s):

Isopropyl Alcohol LC 50 (Rat, 6 h): (, Yes) 1 = reliable without restrictions

Specified substance(s):

Methanol LC 50 (Rat, 4 h): 128.2 mg/l LC 50 (Rat, 6 h): 87.5 mg/l

Specified substance(s):

Methyl Isobutyl Ketone LC 50 (Rat, 4 h): 8.2 - 16.4 mg/l LC 50 (Rat, 4 h): 8.2 mg/l

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Methyl Isobutyl Ketone

Vapor was irritating to the eyes at 200 ppm.

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

Ethanol Known To Be Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

General Information: Contains a substance which causes risk of hazardous effects to the environment.

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Ethanol	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 13,480 mg/l Mortality
Isopropyl Alcohol	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 9,230 - 10,000 mg/l Mortality LC 50 (Bluegill (Lepomis macrochirus), 48 h): > 1,400 mg/l Mortality LC 50 (Western mosquitofish (Gambusia affinis), 48 h): > 1,400 mg/l Mortality LC 50 (Fathead minnow (Pimephales promelas), 72 h): 11,130 mg/l Mortality LC 50 (Fathead minnow (Pimephales promelas), 96 h): 11,130 mg/l Mortality
Methanol	LC 50 (Bluegill (Lepomis macrochirus), 72 h): 15,510 - 20,240 mg/l Mortality

	LC 50 (Fathead minnow (Pimephales promelas), 24 h): 29,000 - 30,500 mg/l Mortality LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 48 h): 19,500 - 20,700 mg/l Mortality LC 50 (Bluegill (Lepomis macrochirus), 96 h): 13,500 - 17,600 mg/l Mortality LC 50 (Fathead minnow (Pimephales promelas), 96 h): 28,200 mg/l Mortality
Methyl Isobutyl Ketone	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 496 - 514 mg/l Mortality LC 50 (Carp (Leuciscus idus melanotus), 48 h): 672 mg/l Mortality LC 50 (Fathead minnow (Pimephales promelas), 96 h): 492 - 593 mg/l Mortality LC 50 (Carp (Leuciscus idus melanotus), 48 h): 744 mg/l Mortality LC 50 (Fathead minnow (Pimephales promelas), 96 h): 519 - 557 mg/l Mortality

Aquatic Invertebrates

Product:	No data available.
Specified substance(s):	
Isopropyl Alcohol	LC 50 (Brine shrimp (Artemia salina), 24 h): > 10,000 mg/l Mortality LC 50 (Water flea (Daphnia magna), 24 h): > 10,000 mg/l Mortality LC 50 (Common shrimp, sand shrimp (Crangon crangon), 96 h): 750 - 1,650 mg/l Mortality LC 50 (Common shrimp, sand shrimp (Crangon crangon), 48 h): 900 - 1,950 mg/l Mortality LC 50 (Water flea (Daphnia magna), 24 h): > 10,000 mg/l Mortality
Methanol	EC 50 (Water flea (Daphnia magna), 24 h): > 10,000 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 48 h): > 10,000 mg/l Intoxication LC 50 (Ramshorn snail (Helisoma trivolvis), 96 h): > 100 mg/l Mortality LC 50 (Scud (Gammarus fasciatus), 96 h): > 100 mg/l Mortality LC 50 (Water flea (Daphnia magna), 96 h): > 100 mg/l Mortality
Methyl Isobutyl Ketone	LC 50 (Water flea (Daphnia magna), 24 h): 4,280 mg/l Mortality LC 50 (Brine shrimp (Artemia salina), 24 h): 1,230 mg/l Mortality EC 50 (Water flea (Daphnia magna), 24 h): 3,682 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.

Aquatic Invertebrates

Product:	No data available.

Toxicity to Aquatic Plants

Product:	No data available.

Persistence and Degradability

Biodegradation

Product:	No data available.
BOD/COD Ratio	
Product:	No data available.
Bioaccumulative potential	
Bioconcentration Factor (BCF)	
Product:	No data available.
Specified substance(s):	
Methanol	Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 28,400 (Static)
Partition Coefficient n-octanol / water (log Kow)	
Product:	No data available.
Specified substance(s):	
Ethanol	Log Kow: -0.31
Isopropyl Alcohol	Log Kow: 0.05
Methanol	Log Kow: -0.77
Methyl Isobutyl Ketone	Log Kow: 1.31
Mobility in soil:	No data available.
Known or predicted distribution to environmental compartments	
Ethanol	No data available.
Isopropyl Alcohol	No data available.
Methanol	No data available.
Methyl Isobutyl Ketone	No data available.
Water	No data available.
Known or predicted distribution to environmental compartments	
Ethanol	No data available.
Isopropyl Alcohol	No data available.
Methanol	No data available.
Methyl Isobutyl Ketone	No data available.

13. Disposal considerations

Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws.
Contaminated Packaging:	Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN Number:	UN 1170
UN Proper Shipping Name:	Ethanol solutions
Transport Hazard Class(es)	
Class:	3
Label(s):	3
Packing Group:	II
Marine Pollutant:	Not regulated.
Special precautions for user:	–

15. Regulatory information

US Federal RegulationsUS. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Ethanol	Reportable quantity: 100 lbs.
Isopropyl Alcohol	Reportable quantity: 100 lbs.
Methanol	Reportable quantity: 5000 lbs.
Methyl Isobutyl Ketone	Reportable quantity: 5000 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

☐ Acute (Immediate) ☐ Chronic (Delayed) ☐ Fire ☐ Reactive ☐ Pressure Generating

SARA 302 Extremely Hazardous Substance

Chemical Identity	RQ	Threshold Planning Quantity
Ethanol		

SARA 304 Emergency Release Notification

Chemical Identity	RQ
Ethanol	100 lbs.
Isopropyl Alcohol	100 lbs.
Methanol	5000 lbs.
Methyl Isobutyl Ketone	5000 lbs.

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Ethanol	500 lbs
Isopropyl Alcohol	500 lbs
Methanol	500 lbs
Methyl Isobutyl Ketone	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity	Reporting threshold for other users	Reporting threshold for manufacturing and processing
Isopropyl Alcohol	10000 lbs	25000 lbs.
Methanol	10000 lbs	25000 lbs.
Methyl Isobutyl Ketone	10000 lbs	25000 lbs.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. WWW.P65Warnings.ca.gov

Ethanol	Carcinogenic.
Ethanol	Carcinogenic.
Ethanol	Developmental toxin.
Methanol	Developmental toxin.
Methyl Isobutyl Ketone	Carcinogenic.
Methyl Isobutyl Ketone	Developmental toxin.
Methyl Isobutyl Ketone	Carcinogenic.

WARNING: This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm. WWW.P65Warnings.ca.gov

Ethanol	Carcinogenic.
Ethanol	Carcinogenic.
Ethanol	Developmental toxin.
Methanol	Developmental toxin.
Methyl Isobutyl Ketone	Carcinogenic.
Methyl Isobutyl Ketone	Developmental toxin.
Methyl Isobutyl Ketone	Carcinogenic.

US. New Jersey Worker and Community Right-to-Know Act

Ethanol	Listed
Isopropyl Alcohol	Listed
Methanol	Listed
Methyl Isobutyl Ketone	Listed

US. Massachusetts RTK - Substance List

Ethanol	Listed
Methanol	Listed
Methyl Isobutyl Ketone	Listed

US. Pennsylvania RTK - Hazardous Substances

Ethanol	Listed
Methanol	Listed
Methyl Isobutyl Ketone	Listed

US. Rhode Island RTK

Ethanol	Listed
Methanol	Listed
Methyl Isobutyl Ketone	Listed

Inventory Status: Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory

16.Other information, including date of preparation or last revision

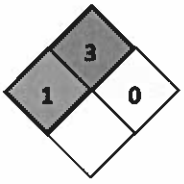
HMIS Hazard ID

Health	*	1
Flammability		3
		0
PERSONAL PROTECTION		K

K - Hood, Gloves, Protective Suit & Boots

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID



Flammability
Health
Reactivity
Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date:	10/04/2018
Revision Date:	No data available.
Version #:	1.2
Further Information:	No data available.

Univar USA Inc Safety Data Sheet

For Additional Information contact SDS Coordinator during business hours, Pacific time: (425) 889-3400

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