SAFETY DATA SHEET



Issue date 11-Jan-2018

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Code 60102A0310
Product name TBC-MS

Other means of identification No information available

Recommended use of the chemical and restrictions on use Recommended Use Stabilizer, antioxidant.

Details of the supplier of the safety data sheet

Supplier / Importer

Sun Chemical Corporation

35 Waterview Boulevard, Parsippany, NewJersey 07054, U.S.A.

TEL: +1-973-404-6000 FAX: +1-973-404-6001

Emergency TEL(CHEMTREC, account#: 21391): (INSIDE THE USA) 1-800-424-9300: (OUTSIDE THE USA) +1-703-527-3887

Manufacturer

DIC Corporation Chiba Plant 12, Yawata-kaigandori, Ichihara, Chiba 290-8585, Japan TEL:+81-436-41-4112

2. HAZARDS IDENTIFICATION

Classification

Flammable liquids	Category 3
Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1B
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 1

Label elements

Emergency Overview

Signal word

Danger

Hazard statements

Flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.

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Appearance No data available

Physical state liquid

Odor Characteristic odor

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

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

Contaminated work clothing must not be allowed out of the workplace

Do not breathe dust/fume/gas/mist/vapors/spray

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor

Call a POISON CENTER or doctor if you feel unwell

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Immediately call a POISON CENTER or doctor

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

Rinse mouth

Do NOT induce vomiting

In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Information

Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

- · Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life

Unknown acute toxicity

15.04 % of the mixture consists of ingredient(s) of unknown toxicity

15.04 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

0.04 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Common name and synonyms No data available

Pure substance/mixture Mixture

Chemical Name	CAS No	weight-%
4-tert-Butyl-1,2-benzenediol	98-29-3	80-90
Methanol	67-56-1	10-20
1,2-Benzenediol	120-80-9	< 1

4. FIRST AID MEASURES

First aid measures

General advice Show this safety data sheet to the doctor in attendance. Do not delay care and transport of

a seriously injured person. IF exposed or concerned: Get medical advice/attention.

Inhalation Move victim to fresh air. Call a physician or poison control center immediately. Administer

oxygen if breathing is difficult. If breathing has stopped, give artificial respiration. Get

medical attention immediately.

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Immediately call a POISON CENTER or doctor/physician.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. Get immediate medical advice/attention. Immediately call a POISON

CENTER or doctor/physician.

Ingestion Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious

person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get medical attention. Call a physician or poison control center immediately. Do NOT induce

vomiting.

Self-protection of the first aider Wear personal protective clothing (see section 8). Do not use mouth-to-mouth method if

victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket

mask equipped with a one-way valve or other proper respiratory medical device.

Most important symptoms and effects, both acute and delayed

Symptoms

Coughing and/ or wheezing. Difficulty in breathing. Burning sensation. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. May cause blindness. Hives. Itching. May cause allergy or asthma symptoms or breathing

difficulties if inhaled. Rashes.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. May cause

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sensitization in susceptible persons.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Extinguishing powder. Alcohol resistant foam. Carbon dioxide (CO2).

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Extremely flammable. Will be easily ignited by heat, sparks or flames. Sealed containers may rupture when heated. The product causes irritation of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Product is or contains a sensitizer. The product causes burns of eyes, skin and mucous membranes.

Explosion data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge No information available. No information available.

Protective equipment and precautions for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Keep people away from and upwind of spill/leak. Use personal protection recommended in Section 8. Take precautionary measures against static discharges. Pay attention to flashback. Do not touch or walk through spilled material. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with skin, eyes or clothing.

Other Information

Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

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

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for cleaning up

Use personal protective equipment as required. Clean contaminated surface thoroughly. Pick up and transfer to properly labeled containers. Take up with sand or other non-combustible absorbent material and place into containers for later disposal. Use clean non-sparking tools to collect material and place it into loosely covered plastic containers for later disposal. Use only non-sparking tools.

Prevention of secondary hazards

Local authorities should be advised if significant spillages cannot be contained.

7. HANDLING AND STORAGE

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Precautions for safe handling Advice on safe handling

Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up. Protect from moisture. Store away from other materials.

TWA: 5 ppm

Skin

Incompatible materials

Acids. Bases. Oxidizing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits Chemical Name NIOSH IDLH ACGIH **OSHA PEL** Methanol STEL: 250 ppm TWA: 200 ppm IDLH: 6000 ppm TWA: 260 mg/m³ 67-56-1 TWA: 200 ppm TWA: 200 ppm S* (vacated) TWA: 200 ppm TWA: 260 mg/m³ (vacated) TWA: 260 mg/m³ STEL: 250 ppm (vacated) STEL: 250 ppm STEL: 325 mg/m³ (vacated) STEL: 325 mg/m³ (vacated) S* (vacated) TWA: 5 ppm 1,2-Benzenediol TWA: 5 ppm TWA: 5 ppm (vacated) TWA: 20 mg/m³ S* TWA: 20 mg/m³ 120-80-9 (vacated) S* **Chemical Name** British Columbia Ontario TWA Alberta Quebec TWA: 200 ppm TWA: 200 ppm Methanol TWA: 200 ppm TWA: 200 ppm TWA: 262 mg/m³ STEL: 250 ppm STEL: 250 ppm TWA: 262 mg/m³ 67-56-1 STEL: 250 ppm STEL: 250 ppm Skin Skin STEL: 328 mg/m³ STEL: 328 mg/m³

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

TWA: 5 ppm

Skin

(11th Cir., 1992).

Appropriate engineering controls

Engineering Controls

1.2-Benzenediol

120-80-9

Showers

Skin

TWA: 5 ppm

TWA: 23 mg/m³

Skin

Eyewash stations Ventilation systems.

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Disclaimer The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

Skin

TWA: 5 ppm

TWA: 23 mg/m³

Skin

Individual protection measures, such as personal protective equipment

Respiratory protection Vapor mask.

Hand Protection Antistatic gloves. Impervious gloves.

Eye/face protection Face protection shield. Tight sealing safety goggles.

Skin and body protectionAntistatic footwear. Antistatic clothing. Impervious clothing. Chemical resistant apron.

General Hygiene ConsiderationsRegular cleaning of equipment, work area and clothing is recommended. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after

handling the product. Take off contaminated clothing and wash before reuse. Contaminated

work clothing should not be allowed out of the workplace.



9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state liquid

AppearanceNo data availableOdorCharacteristic odorColorlight yellowOdor ThresholdNo data available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH No data available

Melting point/freezing point 10 °C / 50 °F

Reiling point/feeling renge

Boiling point/boiling range

Flash point

State of the point of the po

No data available

Flammability (solid, gas)
Flammability Limits in Air

Upper flammability limitsNo data availableLower flammability limitNo data available

Vapor PressureNo data availableVapor densityNo data available

Specific gravity 1.03 @ 25 °C

Solubility(ies)

Partition coefficient

Autoignition temperature

Decomposition temperature (°C)

Kinematic viscosity

No data available

Other Information

Molecular weightNo data availableExplosive propertiesNo data availableOxidizing propertiesNo data availableSoftening pointNo data availableVOC Content (%)No data availableDensityNo data availableBulk densityNo data available

10. STABILITY AND REACTIVITY

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Reactivity

No information available.

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization No data available.

Conditions to avoid

Heat, flames and sparks. Exposure to air or moisture over prolonged periods. Excessive heat.

Incompatible materials

Acids. Bases. Oxidizing agent.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available Corrosive by inhalation

(based on components) Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate Inhaled corrosive substances can lead to a toxic edema of the lungs

Pulmonary edema can be fatal Harmful by inhalation

Eye contact Specific test data for the substance or mixture is not available Causes burns (based on

components) Corrosive to the eyes and may cause severe damage including blindness

Causes serious eye damage May cause irreversible damage to eyes

Skin contact Prolonged skin contact causes burns Symptoms may be delayed Specific test data for the

substance or mixture is not available May cause irritation May cause sensitization by skin contact Repeated or prolonged skin contact may cause allergic reactions with susceptible persons (based on components) May be absorbed through the skin in harmful amounts

Harmful in contact with skin

Ingestion Specific test data for the substance or mixture is not available Causes burns (based on

components) Ingestion causes burns of the upper digestive and respiratory tracts May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking May cause lung

damage if swallowed May be fatal if swallowed and enters airways

Information on toxicological effects

Symptoms Redness Burning May cause blindness Coughing and/ or wheezing Itching Rashes Hives

Numerical measures of toxicity

Acute toxicity

Unknown acute toxicity 15.04 % of the mixture consists of ingredient(s) of unknown toxicity

15.04 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas) 0.04 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
			NGHS / EN

4-tert-Butyl-1,2-benzenediol	= 815 mg/kg (Rat)	= 1331 mg/kg (Rabbit)	-
Methanol	= 6200 mg/kg (Rat)	= 15800 mg/kg (Rabbit)	= 22500 ppm (Rat, 8 h) = 64000 ppm (Rat, 4 h)
1,2-Benzenediol	= 260 mg/kg (Rat)	= 800 mg/kg (Rabbit)	-

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

Skin corrosion/irritation Prolonged skin contact causes burns.

Serious eye damage/eye irritation Causes burns. Classification based on data available for ingredients. Risk of serious

damage to eyes.

Respiratory or skin sensitization May cause sensitization by skin contact.

Germ cell mutagenicity No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
1,2-Benzenediol	A3	Group 2B		X

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity Classification based on data available for ingredients. Contains a known or suspected

reproductive toxin. The table below indicates ingredients above the cut-off threshold

considered as relevant which are listed as reproductive toxins.

STOT - single exposure Based on the classification criteria of the Globally Harmonized System as adopted in the

country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). Causes damage to organs if swallowed. Causes damage to organs in contact with skin.

STOT - repeated exposureCauses damage to organs through prolonged or repeated exposure.

Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

0.64% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
4-tert-Butyl-1,2-benzenediol		3.9 : 24h Oryzias laptis mg/L		
		LC50, 2.7 : 48h Oryzias		
		laptis mg/L LC50		
Methanol		LC50(96h, static): > 100		
		mg/L (Pimephales promelas		
)		
		LC50(96h, flow-through):		
		19500 - 20700 mg/L (
		Oncorhynchus mykiss)		
		LC50(96h, flow-through): =		
		28200 mg/L (Pimephales		
		promelas)		

NGHS/EN -

		LC50(96h, static): 18 - 20 mL/L (Oncorhynchus mykiss) LC50(96h, flow-through): 13500 - 17600 mg/L (Lepomis macrochirus)	
1,2-Benzenediol	EC50 (6h): 50 - 135 mg/L (Chlorella vulgaris)	LC50(96h, flow-through): = 8.9 mg/L (Oncorhynchus	EC50(48h): = 1.66 mg/L (Daphnia magna)

Persistence and degradability

COD 1,100,000ppm (as 4-tert-butylpyrocatechol).

Bioaccumulation

No data available.

Mobility

No data available.

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations. Improper disposal or reuse of this container may be dangerous and illegal.

US EPA Waste Number D001, U154 D002.

	Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Ī	Methanol	-	Included in waste stream:	-	U154
	67-56-1		F039		
Ī	1,2-Benzenediol	-	Included in waste stream:	-	-
	120-80-9		K060		

California Hazardous Waste Status

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status	
Methanol	Toxic	
67-56-1	Ignitable	

14. TRANSPORT INFORMATION

DOT

UN/ID no UN2920

Proper shipping name Corrosive liquids, flammable, n.o.s. (4-tert-Butyl-1,2-benzenediol, Methanol)

Hazard Class

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Subsidiary class 3 Packing Group II

Reportable Quantity (RQ) (Methanol: RQ (kg)= 2270.00) **Special Provisions** B2, IB2, T11, TP2, TP27

Emergency Response Guide

Number

Description UN2920, Corrosive liquids, flammable, n.o.s. (4-tert-Butyl-1,2-benzenediol, Methanol), 8 (3),

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TDG

UN/ID no UN2920

Proper shipping name Corrosive liquid, flammable, n.o.s. (4-tert-Butyl-1,2-benzenediol, Methanol)

Hazard Class 8
Subsidiary class 3
Packing Group ||

Description UN2920, Corrosive liquid, flammable, n.o.s. (4-tert-Butyl-1,2-benzenediol, Methanol), 8 (3),

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MEX

UN/ID no UN2920

Proper shipping name Corrosive liquid, flammable, n.o.s. (4-tert-Butyl-1,2-benzenediol, Methanol)

Hazard Class 8
Subsidiary class 3
Special Provisions 274
Packing Group ||

Description UN2920, Corrosive liquid, flammable, n.o.s. (4-tert-Butyl-1,2-benzenediol, Methanol), 8 (3),

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IATA

UN/ID no UN2920

Proper shipping name Corrosive liquid, flammable, n.o.s. (4-tert-Butyl-1,2-benzenediol, Methanol)

Hazard Class 8
Subsidiary hazard class 3
Packing Group || ERG Code 8F

Description UN2920, Corrosive liquid, flammable, n.o.s. (4-tert-Butyl-1,2-benzenediol, Methanol), 8 (3),

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<u>IMDG</u>

UN/ID no UN2920

Proper shipping name Corrosive liquid, flammable, n.o.s. (4-tert-Butyl-1,2-benzenediol, Methanol)

Hazard Class 8
Subsidiary hazard class 3
Packing Group || FmS-No.

EmS-No F-E, S-C Special Provisions 274

Marine pollutant This product contains a chemical which is listed as a marine pollutant according to

IMDG/IMO

Description UN2920, Corrosive liquid, flammable, n.o.s. (4-tert-Butyl-1,2-benzenediol, Methanol), 8 (3),

II, (36°C c.c.)

Environmental hazard Yes

15. REGULATORY INFORMATION

International Inventories

TSCA-US-Toxic Substances Control Act

All ingredients of this product are registered on TSCA inventory.

DSL-Canada-Domestic Substances List Complies

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US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains 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 %
Methanol - 67-56-1	67-56-1	15	1.0
1,2-Benzenediol - 120-80-9	120-80-9	0.17	0.1

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Ch	nemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
	Methanol	5000 lb		RQ 5000 lb final RQ
	67-56-1			RQ 2270 kg final RQ
1,2	2-Benzenediol	100 lb		RQ 100 lb final RQ
	120-80-9			RQ 45.4 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Methanol - 67-56-1	Developmental
1,2-Benzenediol - 120-80-9	Carcinogen

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

NFPA Health hazards 3 Flammability 3 Instability 0 Physical and Chemical Properties -

HMIS Health hazards 3 * Flammability 3 Physical hazards 0 Personal protection X

Chronic Hazard Star Legend *= Chronic Health Hazard

Issue date 11-Jan-2018

Revision Note No data available.

Reference

LOLI Database (ChemADVISOR,Inc.)

The reference on GHS classification results

Japan National Institute of Technology and Evaluation (NITE)

EU CLP(1272/2008)Annex VI Table 3.1

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

Other information

End of Safety Data Sheet

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