HALLIBURTON

SAFETY DATA SHEET

Product Trade Name: CON DET®

Revision Date: 18-Apr-2017 Revision Number: 26

1. Identification

1.1. Product Identifier

Product Trade Name: CON DET® Synonyms None

Chemical Family: Anionic and Nonionic Surfactant

Internal ID Code HM003454

1.2 Recommended use and restrictions on useApplication:Anionic SurfactantUses advised againstNo information available

1.3 Manufacturer's Name and Contact Details

Manufacturer/Supplier
Baroid Fluid Services
Product Service Line of Halliburton
P.O. Box 1675
Houston, TX 77251

Halliburton Energy Services 645 - 7th Ave SW Suite 1800 Calgary, AB T2P 4G8 Canada

Prepared By Chemical Stewardship

Telephone: 1-281-871-6107

e-mail: fdunexchem@halliburton.com

1.4. Emergency telephone number

Emergency Telephone Number: 1-866-519-4752 or 1-760-476-3962

Global Incident Response Access Code: 334305

Contract Number: 14012

2. Hazards Identification

2.1 Classification in accordance with paragraph (d) of §1910.1200

Serious Eye Damage/Irritation	Category 2 - H319
Acute Aquatic Toxicity	Category 3 - H402

2.2. Label Elements

Hazard Pictograms



Signal Word: Warning

Hazard Statements H319 - Causes serious eye irritation

H402 - Harmful to aquatic life

Precautionary Statements

Prevention P264 - Wash face, hands and any exposed skin thoroughly after handling

P273 - Avoid release to the environment P280 - Wear eye protection/face protection

Response P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several

minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

Storage None

Disposal P501 - Dispose of contents/container in accordance with

local/regional/national/international regulations

2.3 Hazards not otherwise classified

None known

3. Composition/information on Ingredients

Substances	CAS Number	PERCENT (w/w)	GHS Classification - US
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	5 - 10%	Skin Irrit. 2 (H315)
			Eye Corr. 1 (H318)
			Aquatic Acute 2 (H401)
			Aquatic Chronic 2 (H411)
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	1 - 5%	Eye Irrit. 2A (H319)
Isopropanol	67-63-0	1 - 5%	Eye Irrit. 2 (H319)
			STOT SE 3 (H336)
			Flam. Liq. 2 (H225)
Potassium pyrophosphate	7320-34-5	1 - 5%	Eye Irrit. 2A (H319)
Potassium hydroxide	1310-58-3	0.1 - 1%	Acute Tox. 4 (H302)
			Skin Corr. 1 (H314)
			Eye Corr. 1 (H318)
			STOT SE 3 (H335)
			Met. Corr. 1 (H290)

The exact percentage (concentration) of the composition has been withheld as proprietary.

4. First Aid Measures

4.1. Description of first aid measures

Inhalation If inhaled, remove from area to fresh air. Get medical attention if respiratory

irritation develops or if breathing becomes difficult.

Eyes In case of contact, immediately flush eyes with plenty of water for at least 15

minutes and get medical attention if irritation persists.

Skin Flush skin with large amounts of water. If irritation persists, get medical attention.

Ingestion Do NOT induce vomiting. Give nothing by mouth. Obtain immediate medical

attention.

4.2 Most important symptoms/effects, acute and delayed

Causes eye irritation. Causes mild skin irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

Extinguishing media which must not be used for safety reasons

None known.

5.2 Specific hazards arising from the substance or mixture

Special exposure hazards in a fire

Decomposition in fire may produce harmful gases.

5.3 Special protective equipment and precautions for fire-fighters

Special protective equipment for firefighters

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Ensure adequate ventilation.

See Section 8 for additional information

6.2. Environmental precautions

Prevent from entering sewers, waterways, or low areas.

6.3. Methods and material for containment and cleaning up

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove.

7. Handling and storage

7.1. Precautions for safe handling

Handling Precautions

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Ensure adequate ventilation. Wash hands after use. Launder contaminated clothing before reuse. Use appropriate protective equipment.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Information

Keep container closed when not in use. Product has a shelf life of 60 months.

8. Exposure Controls/Personal Protection

8.1 Occupational Exposure Limits

Substances	CAS Number	OSHA PEL-TWA	ACGIH TLV-TWA
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	Not applicable	Not applicable
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	Not applicable	Not applicable
Isopropanol	67-63-0		TWA: 200 ppm STEL: 400 ppm
Potassium pyrophosphate	7320-34-5	Not applicable	Not applicable
Potassium hydroxide	1310-58-3	Not applicable	Not applicable

8.2 Appropriate engineering controls

Engineering Controls Use in a well ventilated area.

8.3 Individual protection measures, such as personal protective equipment

Personal Protective Equipment If engineering controls and work practices cannot prevent excessive exposures,

the selection and proper use of personal protective equipment should be

determined by an industrial hygienist or other qualified professional based on the

specific application of this product.

Respiratory Protection Not normally needed. But if significant exposures are possible then the following

respirator is recommended: Organic vapor respirator.

Hand Protection Impervious rubber gloves. **Skin Protection** Normal work coveralls.

Eye Protection Wear safety glasses or goggles to protect against exposure.

Other Precautions None known.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State:LiquidColorTransparent RedOdor:AlcoholOdorNo information available

Threshold:

<u>Property</u> <u>Values</u>

Remarks/ - Method

pH: 9.5 @ 1%

Freezing Point / Range -2.2 °C / 28 °F Melting Point / Range No data available Boiling Point / Range No data available

Flash Point 99 °C / 210 °F PMCC

Flammability (solid, gas)
Upper flammability limit
Lower flammability limit
Evaporation rate
Vapor Pressure
Vapor Density
No data available

Specific Gravity 1.025

Water Solubility
Soluble in water
Solubility in other solvents
No data available
Partition coefficient: n-octanol/water
Autoignition Temperature
Decomposition Temperature
Viscosity
Soluble in water
No data available
No data available
No data available
No data available

Explosive PropertiesNo information available
No information available

9.2. Other information

VOC Content (%)

No data available

10. Stability and Reactivity

10.1. Reactivity

Not expected to be reactive.

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

Will Not Occur

10.4. Conditions to avoid

None anticipated

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

11. Toxicological Information

11.1 Information on likely routes of exposure

Principle Route of Exposure Eye or skin contact, inhalation.

11.2 Symptoms related to the physical, chemical and toxicological characteristics

Acute Toxicity

Inhalation May cause mild respiratory irritation.

Eye Contact Skin ContactCauses eye irritation.
Causes mild skin irritation.

Ingestion May cause abdominal pain, vomiting, nausea, and diarrhea.

Chronic Effects/Carcinogenicity No data available to indicate product or components present at greater than 0.1%

are chronic health hazards.

11.3 Toxicity data

Toxicology data for the components

Toxicology data for the components					
Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation	
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	>5000 mg/kg-bw (rat)	>2000 mg/kg-bw (rabbit)	No information available	
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	7200 mg/kg (Rat) > 7000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>6.41 mg/L (Rabbit) 3.87h (similar substance)	
Isopropanol	67-63-0	5840 mg/kg-bw (rat)	12870 mg/kg-bw (rabbit)	72.6 mg/L (Rat, 4h, vapor)	
Potassium pyrophosphate	7320-34-5	2440 mg/kg (Rat) (similar substance)	4640 mg/kg (Rabbit) > 2000 mg/kg (Rat)	> 1.1 mg/L (Rat) 4h (saturated concentration)	
Potassium hydroxide	1310-58-3	214 mg/kg (Rat) 273 mg/kg (Rat) 333 - 388 mg/kg (Rat)	No data available	No data available	

Substances	CAS Number	Skin corrosion/irritation	
Amides, coco, N,N-bis	68603-42-9	rritating to skin. (Rabbit)	
(hydroxyethyl)			
Benzenesulfonic acid,	1300-72-7	Not irritating to skin in rabbits.	
dimethyl-, sodium salt		-	
Isopropanol	67-63-0	Non-irritating to the skin (Rabbit)	

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Potassium pyrophosphate	7320-34-5	Not irritating to skin in rabbits.	
Potassium hydroxide	1310-58-3	Corrosive to skin (Rabbit)	
r otaooram nyaroxiao	11010 00 0	journour to stain (Napoli)	
Substances	CAS Number	Serious eye damage/irritation	
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	Irritating to eyes (Rabbit) Causes severe eye irritation (similar substances)	
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	Eye, rabbit: Causes moderate eye irritation	
Isopropanol	67-63-0	Causes moderate eye irritation (Rabbit)	
Potassium pyrophosphate	7320-34-5	Eye, rabbit: Causes moderate eye irritation	
Potassium hydroxide	1310-58-3	Corrosive to eyes (Rabbit)	
Cubatanasa	CAC Normalis and	lour o como de	
Substances	_	Skin Sensitization	
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	Did not cause sensitization on laboratory animals (guinea pig)	
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	Did not cause sensitization on laboratory animals (guinea pig) (similar substances)	
Isopropanol	67-63-0	Did not cause sensitization on laboratory animals (guinea pig)	
Potassium pyrophosphate	7320-34-5	Did not cause sensitization on laboratory animals (mouse) (similar substances)	
Potassium hydroxide	1310-58-3	Did not cause sensitization on laboratory animals (guinea pig)	
Cubatanasa	CAC Normalis and	In the second se	
Substances		Respiratory Sensitization No information available	
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9		
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	No information available	
Isopropanol	67-63-0	No information available	
Potassium pyrophosphate	7320-34-5	No information available	
Potassium hydroxide	1310-58-3	No information available	
Substances	CAS Number	Mutanania Efforta	
	68603-42-9	Mutagenic Effects In vitro tests did not show mutagenic effects Some in vivo tests have shown mutagenic effects.	
Amides, coco, N,N-bis (hydroxyethyl)			
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	While some in vitro tests were positive and/or equivocal, in vivo results were negative. (similar substances)	
Isopropanol	67-63-0	In vitro tests did not show mutagenic effects. In vivo tests did not show mutagenic effects.	
Potassium pyrophosphate	7320-34-5	In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects. (similar substances)	
Potassium hydroxide	1310-58-3	Not regarded as mutagenic.	
Substances	CAS Number	Carcinogenic Effects	
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	No data of sufficient quality are available.	
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	Did not show carcinogenic effects in animal experiments (Rat)	
Isopropanol	67-63-0	Did not show carcinogenic effects in animal experiments	
Potassium pyrophosphate	7320-34-5	No information available	
Potassium hydroxide	1310-58-3	No data of sufficient quality are available.	
.		-	
Substances		Reproductive toxicity	
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	Did not show teratogenic effects in animal experiments.	
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	Did not show teratogenic effects in animal experiments.	
Isopropanol	67-63-0	No significant toxicity observed in animal studies at concentration requiring classification. Animal testing did not show any effects on fertility.	
Potassium pyrophosphate	7320-34-5	Did not show teratogenic effects in animal experiments. (similar substances)	
Potassium hydroxide	1310-58-3	Not applicable due to corrosivity of the substance.	

Substances	CAS Number	STOT - single exposure
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	No significant toxicity observed in animal studies at concentration requiring classification.
Benzenesulfonic acid, dimethyl-, sodium salt		No significant toxicity observed in animal studies at concentration requiring classification. (similar substances)
Isopropanol	67-63-0	May cause headache, dizziness, and other central nervous system effects.
Potassium pyrophosphate	7320-34-5	No significant toxicity observed in animal studies at concentration requiring classification.

Not applicable due to corrosivity of the substance.

7320-34-5 1310-58-3

Potassium pyrophosphate Potassium hydroxide

Potassium hydroxide	1310-58-3	Not applicable due to corrosivity of the substance

Substances	CAS Number	STOT - repeated exposure	
Amides, coco, N,N-bis	68603-42-9	o data of sufficient quality are available.	
(hydroxyethyl)			
Benzenesulfonic acid,		No significant toxicity observed in animal studies at concentration requiring classification. (similar	
dimethyl-, sodium salt		substances)	
Isopropanol		No significant toxicity observed in animal studies at concentration requiring classification. (similar substances)	
Potassium pyrophosphate	7320-34-5	No significant toxicity observed in animal studies at concentration requiring classification. (similar substances)	
Potassium hydroxide	1310-58-3	Not applicable due to corrosivity of the substance.	

Substances	CAS Number	Aspiration hazard
Amides, coco, N,N-bis	68603-42-9	Not applicable
(hydroxyethyl)		
Benzenesulfonic acid,	1300-72-7	Not applicable
dimethyl-, sodium salt		
Isopropanol	67-63-0	Not applicable
Potassium pyrophosphate	7320-34-5	Not applicable
Potassium hydroxide	1310-58-3	Not applicable

12. Ecological Information

12.1. Toxicity

Substance Ecotoxicity Data

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	EC50(72 h)=2.2 mg/L (Scenedesmus subspicatus)	LC50(96 h)=3.6 mg/L (Brachydanio rerio) NOEC(28 d)=0.32 mg/L (Oncorhynchus mykiss)	No information available	EC50(48 h)=2.25 mg/L (Ceriodaphnia dubia) NOEC(21 d)=0.07 mg/L (Daphnia magna)
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	EC50 (96h) >230 mg/L (Pseudokirchnerella subcapitata)	LC50 (96h) >1580 mg/L (Oncorhynchus mykiss)	EC10 (3h) > 1000 mg/L (Activated sludge, domestic)	EC50 (48h) >1000 mg/L (Daphnia magna)
Isopropanol	67-63-0	EC50 (72h) > 1000 mg/L (Desmodesmus subspicatus) EC50 (7d) 1800 mg/L (Scenedesmus quadricauda)	LC50 (96h) 9640 mg/L (Pimephales promelas) LC50 (7d) 7060 mg/L (Poecilia reticulata)	TT (16h) 1050 mg/L (Pseudomonas putida)	EC50 (48h) 13,299 mg/L (Daphnia magna) EC50 (24h) > 10,000 mg/L (Daphnia magna)
Potassium pyrophosphate	7320-34-5	EC50 (72h) > 100 mg/L (Desmodesmus subspicatus)	LC50 (96h) > 100 mg/L (Oncorhynchus mykiss) (similar substance)	No information available	EC50 (48h) > 100 mg/L (Daphnia magna)
Potassium hydroxide	1310-58-3	No information available	LC50 (96h) 80 mg/L (Gambusia affinis) (TLm) Lethal Concentration (24h) 56 mg/L (Lepomis macrochirus) NOEC (24h) 28 mg/L (Lepomis macrochirus)	EC50 (15m) 22 mg/L (Photobacterium phosphoreum)	TLM96 251,200 ppm (Mysidopsis bahia) EC100 (2d) > 10 mg/L (Dreissena polymorpha)

12.2. Persistence and degradability

Substances	CAS Number	Persistence and Degradability
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	Readily biodegradable (84% @ 28d)
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	(84% @ 28d)
Isopropanol	67-63-0	No information available
Potassium pyrophosphate	7320-34-5	The methods for determining biodegradability are not applicable to inorganic substances.
Potassium hydroxide	1310-58-3	The methods for determining biodegradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

CAS Number Log Pow Substances 68603-42-9 Log Pow=3.52 Amides, coco, N,N-bis (hydroxyethyl) 1300-72-7 -3.12 Benzenesulfonic acid, dimethyl-, sodium salt No information available 67-63-0 Isopropanol 7320-34-5 No information available Potassium pyrophosphate Potassium hydroxide 1310-58-3 0.65 - 0.83

12.4. Mobility in soil

Substances	CAS Number	Mobility	
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	No information available	
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	KOC = 1.0 (estimated)	
Isopropanol	67-63-0	No information available	
Potassium pyrophosphate	7320-34-5	Soluble in water	
Potassium hydroxide	1310-58-3	No information available	

12.5 Other adverse effects

No information available

13. Disposal Considerations

13.1. Waste treatment methods

Disposal methodsDisposal should be made in accordance with federal, state, and local regulations.

Contaminated Packaging Follow all applicable national or local regulations.

14. Transport Information

US DOT

UN Number
UN proper shipping name:
Transport Hazard Class(es):
Packing Group:
Environmental Hazards:

Not restricted
Not restricted
Not applicable
Not applicable

Canadian TDG

UN Number Not restricted
UN proper shipping name: Not restricted
Transport Hazard Class(es): Not applicable
Packing Group: Not applicable
Environmental Hazards: Not applicable

IMDG/IMO

UN Number Not restricted
UN proper shipping name: Not restricted
Transport Hazard Class(es): Not applicable
Packing Group: Not applicable
Environmental Hazards: Not applicable

IATA/ICAO

UN Number
UN proper shipping name:
Transport Hazard Class(es):
Packing Group:
Environmental Hazards:

Not restricted
Not restricted
Not applicable
Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

None

Special Precautions for User

15. Regulatory Information

US Regulations

US TSCA Inventory

All components listed on inventory or are exempt.

TSCA Significant New Use Rules - S5A2

Substances	CAS Number	TSCA Significant New Use Rules - S5A2
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	Not applicable
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	Not applicable
Isopropanol	67-63-0	Not applicable
Potassium pyrophosphate	7320-34-5	Not applicable
Potassium hydroxide	1310-58-3	Not applicable

EPA SARA Title III Extremely Hazardous Substances

Substances	CAS Number	EPA SARA Title III Extremely Hazardous	
		Substances	
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	Not applicable	
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	Not applicable	
Isopropanol	67-63-0	Not applicable	
Potassium pyrophosphate	7320-34-5	Not applicable	
Potassium hydroxide	1310-58-3	Not applicable	

EPA SARA (311,312) Hazard Class

Acute Health Hazard

EPA SARA (313) Chemicals

Substances	CAS Number	Toxic Release Inventory (TRI) - Group I	Toxic Release Inventory (TRI) - Group II
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	Not applicable	Not applicable
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	Not applicable	Not applicable
Isopropanol	67-63-0	1.0%	Not applicable
Potassium pyrophosphate	7320-34-5	Not applicable	Not applicable
Potassium hydroxide	1310-58-3	Not applicable	Not applicable

EPA CERCLA/Superfund Reportable Spill Quantity

Substances	CAS Number	CERCLA RQ
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	Not applicable
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	Not applicable
Isopropanol	67-63-0	Not applicable
Potassium pyrophosphate	7320-34-5	Not applicable
Potassium hydroxide	1310-58-3	1000 lb
		454 kg

EPA RCRA Hazardous Waste Classification

If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.

California Proposition 65

Substances	CAS Number	California Proposition 65
Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	carcinogen
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	Not applicable
Isopropanol	67-63-0	Not applicable
Potassium pyrophosphate	7320-34-5	Not applicable
Potassium hydroxide	1310-58-3	Not applicable

U.S. State Right-to-Know Regulations

Substances CA	AS Number M/	A Right-to-Know Law	NJ Right-to-Know Law	PA Right-to-Know Law
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Amides, coco, N,N-bis (hydroxyethyl)	68603-42-9	Not applicable	Not applicable	Not applicable
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	Not applicable	Not applicable	Not applicable
Isopropanol	67-63-0	Present	1076	Environmental hazard
Potassium pyrophosphate	7320-34-5	Not applicable	Not applicable	Not applicable
Potassium hydroxide	1310-58-3	Present	1571	Environmental hazard

NFPA Ratings: Health 1, Flammability 0, Reactivity 0

Health 1, Flammability 0, Physical Hazard 0, PPE: B

Canadian Regulations

Canadian Domestic Substances All components listed on inventory or are exempt. **List (DSL)**

16. Other information

Preparation Information

Prepared By Chemical Stewardship

Telephone: 1-281-871-6107

e-mail: fdunexchem@halliburton.com

Revision Date: 18-Apr-2017

Reason for Revision SDS sections updated:

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Additional information

For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Safety Data Sheet for this or other Halliburton products, contact Chemical Stewardship at 1-580-251-4335.

Key or legend to abbreviations and acronyms used in the safety data sheet

bw - body weight

CAS - Chemical Abstracts Service

d - day

EC50 – Effective Concentration 50%

ErC50 – Effective Concentration growth rate 50%

h - hour

LC50 - Lethal Concentration 50%

LD50 - Lethal Dose 50%

LL50 – Lethal Loading 50%

mg/kg - milligram/kilogram

mg/L - milligram/liter

mg/m3 - milligram/cubic meter

mm - millimeter

mmHg - millimeter mercury

NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OEL - Occupational Exposure Limit

PEL – Permissible Exposure Limit

ppm – parts per million

STEL - Short Term Exposure Limit

TWA - Time-Weighted Average

UN - United Nations

w/w - weight/weight

Key literature references and sources for data

www.ChemADVISOR.com/ NZ CCID

Disclaimer Statement

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End of Safety Data Sheet

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