**Product information** 

Product Name

Company

## C12-14 Blend

Version 3.3

Revision Date 2022-11-30

SECTION 1: Identification of the substance/mixture and of the company/undertaking : C12-14 Blend : Qatar Chemical Company LTD (QChem) Amwal Tower, Omar Al Mukhtar St, Al-Dafna (Zone 61) PO Box 24646 Doha, Qatar SDS Requests: (+974) 4484-7110 Technical Information: (+974) 4476-7145 Responsible Party: Product Safety Group Email: MSDSInguiry@qchem.com.ga

#### **Emergency telephone:**

#### Health:

866.442.9628 (North America) 1.832.813.4984 (International) Transport: CHEMTREC 800.424.9300 or 703.527.3887(int'l) Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090 Mexico CHEMTREC 01-800-681-9531 (24 hours) South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 Argentina: +(54)-1159839431 EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week) Belgium: 070 245 245 (24 hours/day, 7 days/week) Bulgaria: +359 2 9154 233 Croatia: +3851 2348 342 (24 hours/day, 7 days/week) Cyprus: 1401 Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402 Denmark: Danish Poison Center (Giftlinien): +45 8212 1212 Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Finland: 0800 147 111 09 471 977 (24 hours/day) France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week) Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Greece: (0030) 2107793777 (24 hours/day, 7 days/week) Hungary: +36-80-201-199 (24 hours/day, 7 days/week) Iceland: 543 2222 (24 hours/day, 7 days/week) Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Italy: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Latvia: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +371 67042473. (24 hours.) Liechtenstein: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Lithuania: +370 (85) 2362052

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Malta: +356 2395 2000 The Netherlands: NVIC: Norway: 22 59 13 00 (24 Poland: BIG +32.14.584 Portugal: CIAV phone nu Romania: +4021318360 Slovakia: +421 2 5477 4 Slovenia: Phone number	Hours/day, 7 days/week) 545 (phone) or +32.14583516 (telefax) umber: +351 800 250 250 6 166 r: 112 ncy Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24
Responsible Department E-mail address Website	<ul> <li>Product Safety and Toxicology Group</li> <li>SDS@CPChem.com</li> <li>www.CPChem.com</li> </ul>
CTION 2: Hazards identifica	ition
Classification	<ul> <li>bels contain all the information as required by the standard.</li> <li>Flammable liquids, Category 4 Aspiration hazard, Category 1</li> </ul>
Labeling	
Symbol(s)	
Symbol(s) Signal Word	: Danger
	: Danger : H227: Combustible liquid. H304: May be fatal if swallowed and enters airways.
Signal Word	: H227: Combustible liquid.

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Carcinogenicity:			
IARC	No ingredient of this product present at levels greater than or		
	equal to 0.1% is identified as probable, possible or confirmed		
NTP		n carcinogen by IARC	t present at levels greater than or
			s a known or anticipated carcinogen
	by NT		
ACGIH			t present at levels greater than or s a carcinogen or potential carcinogen
	•	CGIH.	s a carcinogen or potential carcinogen
CTION 3: Composition/info	rmation o	on ingredients	
Molecular formula	: Mix	ture	
Oceanorat			
Component 1-Dodecene		CAS-No. 112-41-4	Weight % 50 - 80
1-Tetradecene		1120-36-1	20 - 50
General advice			ea. Show this material safety data
If inhaled	she seri : If u adv	et to the doctor in atte ious, potentially fatal p nconscious, place in re ice. If symptoms pers	ndance. Material may produce a neumonia if swallowed or vomited. ecovery position and seek medical ist, call a physician.
	she seri : If u adv	et to the doctor in atte ious, potentially fatal p nconscious, place in re ice. If symptoms pers	ndance. Material may produce a neumonia if swallowed or vomited. ecovery position and seek medical
If inhaled	she seri : If ur adv : If or : Flus lens	et to the doctor in atterious, potentially fatal processions, place in re- rice. If symptoms person skin, rinse well with water as a ses. Protect unharmed	ndance. Material may produce a neumonia if swallowed or vomited. ecovery position and seek medical ist, call a physician.
If inhaled In case of skin contact	she seri : If ur adv : If or : Flus rins : Kee give mot	et to the doctor in atter ious, potentially fatal p inconscious, place in re- ice. If symptoms pers in skin, rinse well with v sh eyes with water as a ses. Protect unharmed ing. If eye irritation pe ep respiratory tract clear e milk or alcoholic beve	ndance. Material may produce a neumonia if swallowed or vomited. ecovery position and seek medical ist, call a physician. water. If on clothes, remove clothes. a precaution. Remove contact d eye. Keep eye wide open while risists, consult a specialist. ar. Do NOT induce vomiting. Do not erages. Never give anything by person. If symptoms persist, call a
If inhaled In case of skin contact In case of eye contact	she seri : If ur adv : If or : Flus lens rins : Kee give mot phy	et to the doctor in atter ious, potentially fatal pro- nconscious, place in re- rice. If symptoms pers in skin, rinse well with w sh eyes with water as a ses. Protect unharmed ing. If eye irritation per ep respiratory tract clear e milk or alcoholic bever uth to an unconscious	ndance. Material may produce a neumonia if swallowed or vomited. ecovery position and seek medical ist, call a physician. water. If on clothes, remove clothes. a precaution. Remove contact d eye. Keep eye wide open while rsists, consult a specialist. ar. Do NOT induce vomiting. Do not erages. Never give anything by person. If symptoms persist, call a
If inhaled In case of skin contact In case of eye contact If swallowed	she seri : If ur adv : If or : Flus lens rins : Kee give mot phy : : 77 <sup>6</sup>	et to the doctor in atter ious, potentially fatal pro- nconscious, place in re- rice. If symptoms pers in skin, rinse well with w sh eyes with water as a ses. Protect unharmed ing. If eye irritation per ep respiratory tract clear e milk or alcoholic bever uth to an unconscious	ndance. Material may produce a neumonia if swallowed or vomited. ecovery position and seek medical ist, call a physician. water. If on clothes, remove clothes. a precaution. Remove contact d eye. Keep eye wide open while rsists, consult a specialist. ar. Do NOT induce vomiting. Do not erages. Never give anything by person. If symptoms persist, call a
If inhaled In case of skin contact In case of eye contact If swallowed CTION 5: Firefighting meas	she seri : If ur adv : If or : Flus lens rins : Kee give mot phy sures : 77 <sup>4</sup> esti : 226	et to the doctor in atter fous, potentially fatal pro- nconscious, place in re- rice. If symptoms pers in skin, rinse well with w sh eyes with water as a ses. Protect unharmed ing. If eye irritation per ep respiratory tract clear e milk or alcoholic bever uth to an unconscious risician. Take victim im	ndance. Material may produce a neumonia if swallowed or vomited. ecovery position and seek medical ist, call a physician. water. If on clothes, remove clothes. a precaution. Remove contact d eye. Keep eye wide open while rsists, consult a specialist. ar. Do NOT induce vomiting. Do not erages. Never give anything by person. If symptoms persist, call a
If inhaled In case of skin contact In case of eye contact If swallowed CTION 5: Firefighting meas Flash point	she seri : If ur adv : If or : Flus lens rins : Kee give mot phy sures : 77° esti : 226 esti	et to the doctor in atter ious, potentially fatal pro- nconscious, place in re- ice. If symptoms pers in skin, rinse well with w sh eyes with water as a ses. Protect unharmed ing. If eye irritation per ep respiratory tract clear e milk or alcoholic bever uth to an unconscious sician. Take victim im PC (171°F) mated 5°C (439°F)	ndance. Material may produce a neumonia if swallowed or vomited. ecovery position and seek medical ist, call a physician. water. If on clothes, remove clothes. a precaution. Remove contact d eye. Keep eye wide open while risists, consult a specialist. ar. Do NOT induce vomiting. Do not erages. Never give anything by person. If symptoms persist, call a
If inhaled In case of skin contact In case of eye contact If swallowed CTION 5: Firefighting meas Flash point Autoignition temperature Suitable extinguishing	she seri : If ur adv : If or : Flus lens rins : Kee give mot phy sures : 77° esti : 226 esti	et to the doctor in atter ious, potentially fatal pro- nconscious, place in re- rice. If symptoms person in skin, rinse well with we sheyes with water as a ses. Protect unharmed ing. If eye irritation per exprespiratory tract clear e milk or alcoholic bever with to an unconscious riscian. Take victim im PC (171°F) mated 5°C (439°F) mated	ndance. Material may produce a neumonia if swallowed or vomited. ecovery position and seek medical ist, call a physician. water. If on clothes, remove clothes. a precaution. Remove contact d eye. Keep eye wide open while rsists, consult a specialist. ar. Do NOT induce vomiting. Do not erages. Never give anything by person. If symptoms persist, call a

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Unsuitable extinguishing media	:	High volume water jet.
Specific hazards during fire fighting	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	:	For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Fire and explosion protection	:	Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
CTION 6: Accidental release	me	asures
Personal precautions	:	Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.
CTION 7: Handling and stora	ge	
Handling		
Advice on safe handling	:	Avoid formation of aerosol. Do not breathe vapors/dust. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion	:	Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
Storage		
Requirements for storage areas and containers	:	No smoking. Keep container tightly closed in a dry and well- ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

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#### **SECTION 8: Exposure controls/personal protection**

#### Engineering measures

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

#### Personal protective equipment

Respiratory protection	:	If ventilation or other engineering controls are not adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure, a supplied-air NIOSH approved respirator may be appropriate. If exposure to harmful levels of airborne material may occur, a NIOSH approved respirator that provides protection may be appropriate, such as:. Air-Purifying Respirator for Organic Vapors. A positive pressure, air- supplying respirator may be appropriate if there is potential for uncontrolled release, aerosolization, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.
Hand protection	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye protection	:	Eye wash bottle with pure water. Tightly fitting safety goggles.
Skin and body protection	:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate:. Flame-resistant clothing. Footwear protecting against chemicals.
Hygiene measures	:	When using do not eat or drink. When using do not smoke.

#### **SECTION 9: Physical and chemical properties**

Appearance	
Form Physical state Color	: liquid : liquid : Clear, Colorless
Safety data	
Flash point	: 77°C (171°F) estimated

Wash hands before breaks and at the end of workday.

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Lower explosion limit	: 0.5 %(V)	
Upper explosion limit	: 5.4 %(V)	
Oxidizing properties	: no	
Autoignition temperature	: 226°C (439°F) estimated	
Thermal decomposition	: No data available	
Molecular formula	: Mixture	
Molecular weight	: Not applicable	
рН	: Not applicable	
Freezing point	: -13°C (9°F)	
Boiling point/boiling range	: 213°C (415°F)	
Vapor pressure	: 6.00 - 20.00 Pa	
	at 25°C (77°F)	
Relative density	: 0.75	
Density	: 0.75 G/ML at 25°C (77°F)	
Water solubility	: Soluble in hydrocarbon solvents; insoluble in water.	
Viscosity, kinematic	: 1.3 - 1.9 cSt at 40°C (104°F)	
Relative vapor density	: 6.4 (Air = 1.0)	
SECTION 10: Stability and react	ivity	
Reactivity	: Stable at normal ambient temperature and pressure.	
Chemical stability	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.	
Possibility of hazardous re	actions	
Hazardous reactions	: Further information: No decomposition if stored and applied as	
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	directed.	
	Hazardous reactions: Vapors may form explosive mixture with air.	
Conditions to avoid	: Heat, flames and sparks.	
Materials to avoid	: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.	
Thermal decomposition	: No data available	
Other data	: No decomposition if stored and applied as directed.	
CTION 11: Toxicological info	rmation	
C12-14 Blend Acute oral toxicity	: LD50 Oral: > 5,000 mg/kg Species: Rat Method: Acute toxicity estimate	
C12-14 Blend Acute inhalation toxicity	: LC50: > 20 mg/l Species: Rat Test atmosphere: vapor Method: Acute toxicity estimate	
C12-14 Blend Acute dermal toxicity	: LD50 Dermal: > 2,000 mg/kg Species: Rabbit Method: Acute toxicity estimate	
C12-14 Blend Skin irritation	: No skin irritation. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.	
C12-14 Blend Eye irritation	: No eye irritation. Information given is based on data obtained from similar substances.	
C12-14 Blend Sensitization	: No adverse effects expected. Information refers to the main ingredient.	
Repeated dose toxicity		
1-Dodecene	<ul> <li>Species: Rat, Male and female Sex: Male and female Application Route: Oral diet Dose: 0, 100, 500, 1000 mg/kg Exposure time: 13 wk Number of exposures: daily NOEL: 1,000 mg/kg</li> </ul>	
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	Method: OCED Guideline 408 Information given is based on data obtained from similar substances.
	Species: Rat, Male and female Sex: Male and female Application Route: Inhalation Dose: 0, 300, 1000, 3000 ppm Exposure time: 13 wk Number of exposures: 6 hrs/d, 5 d/wk NOEL: 3000 ppm Method: OECD Guideline 413 Information given is based on data obtained from similar substances.
Genotoxicity in vitro	
1-Dodecene	: Test Type: Ames test Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative
	Test Type: Chromosome aberration test in vitro Method: OECD Guideline 473 Result: negative
1-Tetradecene	Test Type: Ames test Metabolic activation: with and without metabolic activation Method: Mutagenicity (Escherichia coli - reverse mutation assay) Result: negative
	Test Type: Mammalian cell gene mutation assay Metabolic activation: with and without metabolic activation Method: OECD Guideline 476 Result: negative
	Test Type: Chromosome aberration test in vitro Method: OECD Guideline 473 Result: negative
Genotoxicity in vivo	
1-Tetradecene	: Test Type: Micronucleus test Species: Mouse Method: Mutagenicity (micronucleus test) Result: negative
Reproductive toxicity	
1-Dodecene	: Species: Rat Sex: male Application Route: Oral diet Dose: 0, 100, 500, or 1000 mg/kg Exposure time: 44 D Number of exposures: daily Method: OECD Guideline 421 NOAEL Parent: 1,000 mg/kg
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	NOAEL F1: 1,000 mg/kg
	Species: Rat Sex: female Application Route: Oral diet Dose: 0, 100, 500, or 1000 mg/kg Exposure time: 41-55 D Number of exposures: daily Method: OECD Guideline 421 NOAEL Parent: 1,000 mg/kg NOAEL F1: 1,000 mg/kg
1-Tetradecene	Species: Rat Sex: male Application Route: Oral diet Dose: 0, 100, 500, 1000 mg/kg Exposure time: 43-47 days Method: OECD Guideline 422 NOAEL Parent: 1,000 mg/kg NOAEL F1: 1,000 mg/kg
	Species: Rat Sex: female Application Route: Oral diet Dose: 0, 100, 500, 1000 mg/kg Exposure time: 46-47 days Method: OECD Guideline 422 NOAEL Parent: 1,000 mg/kg NOAEL F1: 1,000 mg/kg
C12-14 Blend Aspiration toxicity	: May be fatal if swallowed and enters airways.
CMR effects	
1-Dodecene	: Carcinogenicity: Not available Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Teratogenicity: Not available Reproductive toxicity: Animal testing did not show any effects on fertility.
1-Tetradecene	Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Reproductive toxicity: No toxicity to reproduction
C12-14 Blend Further information	: Solvents may degrease the skin.
CTION 12: Ecological inform	mation
Toxicity to fish	
1-Dodecene	: No toxicity at the limit of solubility.
1-Tetradecene	LL50: > 1,000 mg/l
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	Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout) semi-static test Test substance: yes Method: OECD Test Guideline 203 The product has low solubility in the test medium. An aqueous dispersion was tested.
Toxicity to daphnia and othe	er aquatic invertebrates
1-Dodecene	: No toxicity at the limit of solubility.
1-Tetradecene	EL50: > 1,000 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Test substance: yes Method: OECD Test Guideline 202 The product has low solubility in the test medium. An aqueous dispersion was tested.
Toxicity to algae	
1-Dodecene	: No toxicity at the limit of solubility.
1-Tetradecene	EL50: > 1,000 mg/l Exposure time: 96 h Species: Selenastrum capricornutum (algae) static test Test substance: yes Method: OECD Test Guideline 201 The product has low solubility in the test medium. An aqueous dispersion was tested.
Biodegradability	: This material is expected to be readily biodegradable.
Elimination information (persis	tence and degradability)
Bioaccumulation	
1-Dodecene	: No data available
Mobility	
1-Dodecene	: No data available
1-Tetradecene	: No data available
Results of PBT assessment	: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)., This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).
Additional ecological information Ecotoxicology Assessment	: No data available
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Short-term (acute) aquatic h 1-Dodecene	nazard : This material is not expected to be harmful to aquatic organisms.
1-Tetradecene	: This material is not expected to be harmful to aquatic organisms.
Long-term (chronic) aquatic 1-Tetradecene	hazard : This material is not expected to be harmful to aquatic organisms.
ECTION 13: Disposal conside	erations
The information in this SDS	pertains only to the product as shipped.
may meet the criteria of a ha other State and local regula regulated components may	d purpose or recycle if possible. This material, if it must be discarded, azardous waste as defined by US EPA under RCRA (40 CFR 261) or tions. Measurement of certain physical properties and analysis for be necessary to make a correct determination. If this material is aste, federal law requires disposal at a licensed hazardous waste
Product	: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.
ECTION 14: Transport inform	ation
	s shown here are for bulk shipments only, and may not apply to ckages (see regulatory definition).
Goods Regulations for additect.) Therefore, the information	nestic or international mode-specific and quantity-specific Dangerous tional shipping description requirements (e.g., technical name or names ation shown here, may not always agree with the bill of lading shipping Flashpoints for the material may vary slightly between the SDS and the
	<b>DEPARTMENT OF TRANSPORTATION)</b> ONS, LIQUID, N.O.S., COMBUSTIBLE LIQUID, III
	NAL MARITIME DANGEROUS GOODS) A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR THIS AGENCY.
	IR TRANSPORT ASSOCIATION) A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR THIS AGENCY.
ADR (AGREEMENT ON DA	ANGEROUS GOODS BY ROAD (EUROPE))

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NOT REGULATED AS A TRANSPORTATION BY	A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR 7 THIS AGENCY.
DANGEROUS GOODS (EU	A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR
OF DANGEROUS GOODS	EMENT CONCERNING THE INTERNATIONAL CARRIAGE BY INLAND WATERWAYS) A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR THIS AGENCY.
Other information Maritime transport in bull	: ALPHA-OLEFIN (C-12+) MIXTURES, S.T. 2, Cat. Y
TION 15: Regulatory infor	
TION 15. Regulatory milor	
National legislation	mation
National legislation SARA 311/312 Hazards	<ul> <li>Flammable (gases, aerosols, liquids, or solids)</li> <li>Aspiration hazard</li> </ul>
SARA 311/312 Hazards	: Flammable (gases, aerosols, liquids, or solids)
SARA 311/312 Hazards	: Flammable (gases, aerosols, liquids, or solids) Aspiration hazard
SARA 311/312 Hazards EPCRA - EMERGENCY PL CERCLA Reportable	<ul> <li>Flammable (gases, aerosols, liquids, or solids) Aspiration hazard</li> <li>ANNING COMMUNITY RIGHT - TO – KNOW</li> <li>This material does not contain any components with a CERCLA</li> </ul>
SARA 311/312 Hazards EPCRA - EMERGENCY PL CERCLA Reportable Quantity SARA 302 Reportable	<ul> <li>Flammable (gases, aerosols, liquids, or solids) Aspiration hazard</li> <li>ANNING COMMUNITY RIGHT - TO – KNOW</li> <li>This material does not contain any components with a CERCLA RQ.</li> <li>This material does not contain any components with a SARA</li> </ul>
SARA 311/312 Hazards EPCRA - EMERGENCY PL CERCLA Reportable Quantity SARA 302 Reportable Quantity SARA 302 Threshold	<ul> <li>Flammable (gases, aerosols, liquids, or solids) Aspiration hazard</li> <li>ANNING COMMUNITY RIGHT - TO – KNOW</li> <li>This material does not contain any components with a CERCLA RQ.</li> <li>This material does not contain any components with a SARA 302 RQ.</li> <li>No chemicals in this material are subject to the reporting</li> </ul>
SARA 311/312 Hazards EPCRA - EMERGENCY PL CERCLA Reportable Quantity SARA 302 Reportable Quantity SARA 302 Threshold Planning Quantity SARA 304 Reportable	<ul> <li>Flammable (gases, aerosols, liquids, or solids) Aspiration hazard</li> <li>ANNING COMMUNITY RIGHT - TO – KNOW</li> <li>This material does not contain any components with a CERCLA RQ.</li> <li>This material does not contain any components with a SARA 302 RQ.</li> <li>No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.</li> <li>This material does not contain any components with a section</li> </ul>

Clean Air Act         Ozone-Depletion       : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).         This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Act Section 112 (40 CFR 61).         This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).         This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SO Intermediate or Final VOC's (40 CFR 60.489).         California Prop. 65       : This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SO Intermediate or Final VOC's (40 CFR 60.489).         Motification status       : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.         Notification status       : This mixture contains only ingredients which have beer registered according to Regulation (EU) No. 1907/2006 (REACH).         Switzerland CH INV       : On the inventory, or in compliance with the inventory United States of America (USA)       : On the inventory, or in compliance with the inventory         Switzerland DSL       : All components of this product are on the Canadian DSL       : All components of this product was not registered, is A substance(s) in this product was not registered, is A substance(s) in this product was not registered, is A substance(s) in this product was not registered,	2-14 Blend	SAFETY DATA SHEI
Ozone-Depletion       : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).         This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Act Section 112 (40 CFR 61).         This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).         This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 (20 CFR 60.489).         California Prop. 65       : This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SO Intermediate or Final VOC's (40 CFR 60.489).         California Prop. 65       : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.         Notification status       : This mixture contains only ingredients which have beer registered according to Regulation (EU) No. 1907/2006 (REACH).         Switzerland CH INV       : On the inventory, or in compliance with the inventory United States of America (USA)         TSCA       : All components of this product are on the Canadian DSL         Australia AICS       : On the inventory, or in compliance with the inventory in the inventory in compliance with the inventory in the inventory in the inventory or in compliance with the inventory in the inventory. This product was not registered, notified to be registered, or the registered, notified to be registered, or the inventory, or in compliance with the inventory. Importation or manufacture of th	rsion 3.3	Revision Date 2022-11-
Potential       Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).         This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Act Section 112 (40 CFR 61).         This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).         This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SO Intermediate or Final VOC's (40 CFR 60.489).         California Prop. 65       :         California Prop. 65       :         Europe REACH       :         Switzerland CH INV       :         United States of America (USA)       :         Australia AICS       :         Australia AICS       :         Korea KECI       :         Australia AICS       :         Korea KECI       :         Philippines PICCS       :         Philippines PICCS       :         China IECSC       :         On the inventory, or in compliance with the inventory         Conthe inventory, or in compliance with the inventory         Softer CS       :         On the inventory, or in compliance with the inventory         Conthe inventory, or in compliance with the inventory         Don the inventory, or in compliance with th	Clean Air Act	
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Accidental Release Prevention (40 CFR 68.130, Subpart F).         This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SO Intermediate or Final VOC's (40 CFR 60.489).         California Prop. 65       : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.         Notification status       : This mixture contains only ingredients which have beer registered according to Regulation (EU) No. 1907/2006 (REACH).         Switzerland CH INV       : On the inventory, or in compliance with the inventory United States of America (USA) TSCA         TSCA       : On the inventory, or in compliance with the inventory         Australia AICS       : On the inventory, or in compliance with the inventory Storea KECI         Notified to be registered, or exempted from registration by QChem according to K-REACH regulations. Importation or manufacture of this product is still permitted provided the Korean Importer of Record has themselves notified the substance (s).         Philippines PICCS       : On the inventory, or in compliance with the inventory         China IECSC       : On the inventory, or in compliance with the inventory		/ hazardous air pollutants (HAP), as defined by the U.S. Clean Ai
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China IECSC : On the inventory, or in compliance with the inventory	New Zealand NZloC Japan ENCS	<ul> <li>On the inventory, or in compliance with the inventory</li> <li>On the inventory, or in compliance with the inventory</li> <li>On the inventory, or in compliance with the inventory</li> <li>A substance(s) in this product was not registered, notified to be registered, or exempted from registration by QChem according to K-REACH regulations. Importation or manufacture of this product is still permitted provided the Korean Importer of Record has themselves notified the substance or the exported amount does not exceed the minimum threshold</li> </ul>
	China IECSC	: On the inventory, or in compliance with the inventory

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ECTION 16: Other information			
NFPA Classification	: Health Hazard: 1 Fire Hazard: 2 Reactivity Hazard: 0	2	
Further information		·	
Legacy SDS Number	: 6747		

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

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.

	American Conference of	LD50	Lethal Dose 50%
	Government Industrial Hygienists		
AICS	Australia, Inventory of Chemical	LOAEL	Lowest Observed Adverse Effe
	Substances		Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agenc
NDSL	Canada, Non-Domestic	NIOSH	National Institute for Occupatio
010	Substances List	NTD	Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentra
EGEST	EOSCA Generic Exposure	OSHA	Occupational Safety & Health
	Scenario Tool		Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing	PICCS	Philippines Inventory of
LINEOU	Chemical Substances	11000	Commercial Chemical Substar
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recov
			Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and
			Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical	TWA	Time Weighted Average
	Substances in China		
ENCS	Japan, Inventory of Existing and	TSCA	Toxic Substance Control Act

#### SAFETY DATA SHEET

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	New Chemical Substances		
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%	ATE	Acute toxicity estimate

SDS Number:100000101440