

SAFETY DATA SHEET



TERMIX® 5601 (IVL)

Version 1.0 Revision Date: 05/04/2022 SDS Number: 400041003923 Date of last issue: -
Date of first issue: 05/04/2022

Print Date 05/23/2022

SECTION 1. IDENTIFICATION

Product name : TERMIX® 5601 (IVL)

Manufacturer or supplier's details

Company name of supplier : Indorama Ventures Oxides LLC
Address : 24 Waterway Ave., Suite 1100, The Woodlands, Texas 77380
United States of America (USA)
Telephone : (256) 3405200

E-mail address of person responsible for the SDS : oxide.sds.global@indorama.net
Emergency telephone number : CHEMTREC – United States (English)
Local (City) Northern Virginia: +1 703-741-5970

Recommended use of the chemical and restrictions on use

Recommended use : Surfactant

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage : Category 1

Short-term (acute) aquatic hazard : Category 2

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H318 Causes serious eye damage.
H401 Toxic to aquatic life.

Precautionary Statements :

Prevention:

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

Response:

P305 + P351 + P338 + P310 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/ doctor.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

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Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Components**

Chemical name	CAS-No.	Concentration (% w/w)
Alcohols, C10-14, ethoxylated	66455-15-0	60 - 100
Alcohols, C12-16, ethoxylated	68551-12-2	7 - 13

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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Special protective equipment for fire-fighters : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

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 and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

Engineering measures : Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Respiratory protection : Wear respiratory protection when its use is identified for certain contributing scenario.

Hand protection

Remarks : The suitability for a specific workplace should be discussed

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Eye protection : with the producers of the protective gloves.
: Eye wash bottle with pure water
: Tightly fitting safety goggles
: Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing
: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
: When using do not smoke.
: Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : Clear

Odor : neutral

pH : 5 - 7

Flash point : > 280.0 °F / > 137.8 °C
Method: closed cup

Relative density : 0.95

Viscosity
Viscosity, kinematic : 20 mm²/s (104 °F / 40 °C)

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.

Conditions to avoid : No data available

Incompatible materials : Not applicable

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate: 2,700 mg/kg
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: 2,688 mg/kg
Method: Calculation method

Components:

Alcohols, C10-14, ethoxylated:

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Acute oral toxicity : LD50 (Rat, male and female): 2,900 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute inhalation toxicity : LC50 (Rat): > 1600 mg/m3
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: no

Alcohols, C12-16, ethoxylated:

Acute oral toxicity : LD50 (Rat, male): 1,376.3 mg/kg
Method: OECD Test Guideline 401

LD50 (Rat, female): 1,788.9 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 1600 mg/m3
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit, male and female): 2,500 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks : Extremely corrosive and destructive to tissue.

Components:**Alcohols, C10-14, ethoxylated:**

Species : Rabbit
Assessment : No skin irritation
Method : OECD Test Guideline 404
Result : Normally reversible injuries
GLP : yes

Alcohols, C12-16, ethoxylated:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks : May cause irreversible eye damage.

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Components:**Alcohols, C10-14, ethoxylated:**

Species	:	Rabbit
Result	:	Irreversible effects on the eye
Assessment	:	Severe eye irritation
Method	:	OECD Test Guideline 405

Alcohols, C12-16, ethoxylated:

Species	:	Rabbit
Result	:	Risk of serious damage to eyes.
Method	:	OECD Test Guideline 405

Respiratory or skin sensitization**Skin sensitization**

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:**Alcohols, C10-14, ethoxylated:**

Routes of exposure	:	Skin
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitization.

Alcohols, C12-16, ethoxylated:

Routes of exposure	:	Skin
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitization.

Germ cell mutagenicity

Not classified based on available information.

Components:**Alcohols, C10-14, ethoxylated:**

Genotoxicity in vitro	:	Concentration: 2 - 100 ug/L
		Method: OECD Test Guideline 476
		Result: negative

		Concentration: .1 - 2.5 mg/ml
		Metabolic activation: with and without metabolic activation
		Method: OECD Test Guideline 476
		Result: negative

		Concentration: 1.5 - 5000 ug/plate
		Metabolic activation: with and without metabolic activation
		Method: OECD Test Guideline 471

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Result: negative

Concentration: .03 - 10 mg/plate
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 471
 Result: negative

Concentration: .2 - 2000 ug/plate
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 471
 Result: negative
 GLP: no

Concentration: 5 - 50 ug/L
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 473
 Result: negative

Alcohols, C12-16, ethoxylated:

Genotoxicity in vitro : Concentration: .5 - 500 ug/plate
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 471
 Result: negative

Genotoxicity in vivo : Application Route: Intraperitoneal injection
 Dose: 75 mg/kg
 Method: OECD Test Guideline 474
 Result: negative

Carcinogenicity

Not classified based on available information.

Components:**Alcohols, C10-14, ethoxylated:**

Species : Rat, male and female
 Application Route : Oral
 Exposure time : 24 month(s)
 Dose : 500 mg/kg
 Result : negative

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

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Components:**Alcohols, C10-14, ethoxylated:**

Effects on fertility : Species: Rat, male and female
 Application Route: Dermal
 Target Organs: Heart
 Method: OECD Test Guideline 416

Target Organs: Liver

Target Organs: Lungs

Target Organs: Kidney

Target Organs: Testes

Species: Rat, male and female
 Application Route: Oral
 Target Organs: Liver
 GLP: yes

Effects on fetal development : Species: Rat, male and female
 Application Route: Dermal
 General Toxicity Maternal: NOAEL: > 250 mg/kg body weight
 Method: OECD Test Guideline 416
 Result: No teratogenic effects

Alcohols, C12-16, ethoxylated:

Effects on fertility : Species: Rat, male and female
 Application Route: Oral
 General Toxicity Parent: NOAEL: > 250 mg/kg body weight
 General Toxicity F1: NOAEL: > 250 mg/kg body weight
 Method: OECD Test Guideline 416
 Result: No effects on fertility and early embryonic development were detected.

Effects on fetal development : Species: Rat, male and female
 Application Route: Dermal
 Dose: 250 milligram per kilogram
 General Toxicity Maternal: > 250 mg/kg body weight
 Teratogenicity: > 250 mg/kg body weight
 Result: No teratogenic effects

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity**Components:****Alcohols, C10-14, ethoxylated:**

Species : Rat, male and female
 NOAEL : >= 500 mg/kg/d

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Application Route : Ingestion
 Exposure time : 2,160 h
 Method : Subchronic toxicity

Alcohols, C12-16, ethoxylated:

Species : Rat, male and female
 NOAEL : 100 mg/kg/d
 Application Route : Ingestion
 Exposure time : 2,160 h

Species : Rat, male and female
 NOAEL : > 100 mg/kg/d
 Application Route : Ingestion
 Exposure time : 336 h

Species : Rat, male and female
 NOAEL : 519 mg/kg/d
 Application Route : Ingestion
 Exposure time : 504 h

Aspiration toxicity

Not classified based on available information.

Further information**Product:**

Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****Alcohols, C10-14, ethoxylated:**

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 1.2 mg/l
 Exposure time: 96 h
 Test Type: semi-static test
 Test substance: Fresh water
 Method: Directive 67/548/EEC, Annex V, C.1.

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 2.5 mg/l
 aquatic invertebrates : Exposure time: 48 h
 Test Type: static test
 Test substance: Fresh water

Toxicity to algae/aquatic : ErC50 (Desmodesmus subspicatus (green algae)): 1.8 mg/l
 plants : Exposure time: 72 h
 Test Type: static test
 Test substance: Fresh water

Toxicity to fish (Chronic tox- : EC20 (Pimephales promelas (fathead minnow)): 2.24 mg/l
 icity) : Exposure time: 30 d
 Test substance: Fresh water

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- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC20 (Daphnia magna (Water flea)): 2.83 mg/l
Exposure time: 21 d
Test substance: Fresh water
- Toxicity to microorganisms : EC50 (activated sludge): 140 mg/l
Exposure time: 3 h
Test Type: static test
Test substance: Fresh water
- Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): > 1,000 mg/kg
Exposure time: 14 d
Test substance: Synthetic
Method: OECD Test Guideline 207
- Plant toxicity : NOEC: >= 100 mg/kg
Exposure time: 456 h
Test substance: Natural

Alcohols, C12-16, ethoxylated:

- Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 3 mg/l
Exposure time: 96 h
Test substance: Fresh water
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.9 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: Fresh water
- Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 2.2 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water
- ErC50 (Desmodesmus subspicatus (green algae)): 0.137 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water
- Toxicity to fish (Chronic toxicity) : EC20 (Pimephales promelas (fathead minnow)): 1.58 mg/l
Exposure time: 30 d
Test substance: Fresh water
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC20 (Daphnia magna (Water flea)): 0.98 mg/l
Exposure time: 21 d
Test substance: Fresh water
- Toxicity to microorganisms : IC50 (Pseudomonas putida): > 10
Exposure time: 16.9 h
Test substance: Fresh water
Method: DIN 38 412 Part 8

Ecotoxicology Assessment

- Acute aquatic toxicity : Toxic to aquatic life.

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Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Persistence and degradability**Components:****Alcohols, C10-14, ethoxylated:**

Biodegradability : Inoculum: activated sludge
 Result: Readily biodegradable.
 Biodegradation: 78 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301B

Alcohols, C12-16, ethoxylated:

Biodegradability : Result: Readily biodegradable.
 Biodegradation: 100 %
 Exposure time: 28 d

Bioaccumulative potential**Components:****Alcohols, C10-14, ethoxylated:**

Bioaccumulation : Species: Pimephales promelas (fathead minnow)
 Bioconcentration factor (BCF): 12.7
 Exposure time: 3 d
 Test substance: Fresh water
 Method: flow-through test
 Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: 3.93 (77 °F / 25 °C)

Alcohols, C12-16, ethoxylated:

Bioaccumulation : Species: Pimephales promelas (fathead minnow)
 Bioconcentration factor (BCF): 12.7
 Exposure time: 3 d
 Test substance: Fresh water
 Method: flow-through test
 Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: 4.24 - 5.14

Mobility in soil**Components:****Alcohols, C10-14, ethoxylated:**

Distribution among environmental compartments : Koc: 4301.18

Alcohols, C12-16, ethoxylated:

Distribution among environmental compartments : Koc: 27134.54 - 71865.83

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Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: 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).

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
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.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(ALCOHOLS, C12-16, ETHOXYLATED)
Class : 9
Packing group : III
Labels : 9

IATA-DGR

UN/ID No. : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(ALCOHOLS, C12-16, ETHOXYLATED)
Class : 9
Packing group : III
Labels : 9
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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(ALCOHOLS, C12-16, ETHOXYLATED)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

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

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number : UN 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(ALCOHOLS, C12-16, ETHOXYLATED)
Class : 9
Packing group : III
Labels : CLASS 9
ERG Code : 171
Marine pollutant : yes(ALCOHOLS, C12-16, ETHOXYLATED)

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
1,4-dioxane	123-91-1	100	*
ethylene oxide	75-21-8	10	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

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 Air 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).

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This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations**Massachusetts Right To Know**

1,4-dioxane	123-91-1
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Pennsylvania Right To Know

Alcohols, C10-14, ethoxylated	66455-15-0
Alcohols, C12-16, ethoxylated	68551-12-2

Maine Chemicals of High Concern

Product does not contain any listed chemicals

Vermont Chemicals of High Concern

1,4-dioxane	123-91-1
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Washington Chemicals of High Concern

1,4-dioxane	123-91-1
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California Prop. 65

WARNING: This product can expose you to chemicals including 1,4-dioxane, ethylene oxide, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

The ingredients of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory

TSCA list

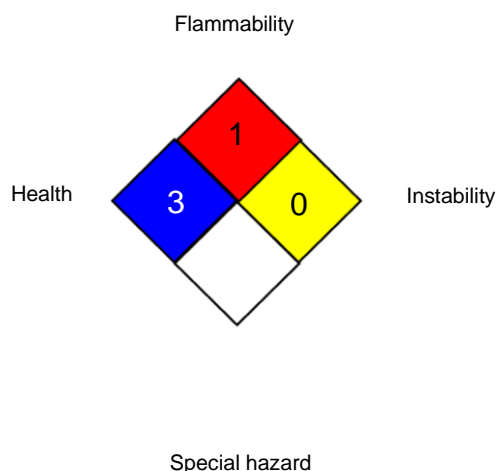
No substances are subject to a Significant New Use Rule.

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No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION**Further information****NFPA 704:****HMIS® IV:**

HEALTH	/	3
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and

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Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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