

JEFFCAT® LED 103

Version	Revision Date:	SDS Number:	Date of last issue:
2.0	08/02/2023	400001004444	10/08/2019
			Date of first issue: 01/26/2018

Print Date 07/04/2024

SECTION 1. IDENTIFICATION

Product name : JEFFCAT® LED 103

Manufacturer or supplier's details

Company name of supplier	: Huntsman International LLC
Address	: P.O. Box 4980 The Woodlands, TX 77387 United States of America (USA)
Telephone	: TechInfo: (281) 719-7780
E-mail address	: Global_Product_EHS_HPP@huntsman.com
Emergency telephone number	: Chemtrec: (800) 424-9300 or (703) 527-3887

Recommended use of the chemical and restrictions on use

Recommended use	: Catalyst
Restrictions on use	: For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Skin irritation	: Category 2
Serious eye damage	: Category 1
Short-term (acute) aquatic hazard	: Category 2
Long-term (chronic) aquatic hazard	: Category 3

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements	: H315 Causes skin irritation. H318 Causes serious eye damage. H401 Toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.
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Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
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.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
Storage:
Not available
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol	83016-70-0	50 - 70
Polyacrylic acid	9003-01-4	5 - 10

The specific chemical identity and/or exact percentage (concentration) of composition may be 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.
Treat symptomatically.
Get medical attention if symptoms occur.

If inhaled : If inhaled, remove to fresh air.
Get medical attention if symptoms occur.

In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.

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- If on clothes, remove clothes.
- 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.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Induce vomiting immediately and call a physician.
Keep respiratory tract clear.
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.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing
If potential for exposure exists refer to Section 8 for specific personal protective equipment.
No action shall be taken involving any personal risk or without suitable training.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : Exercise caution when using a high volume water jet as it may scatter and spread fire
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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Special protective equipment : Wear self-contained breathing apparatus for firefighting if
for firefighters necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, : Use personal protective equipment.
protective equipment and Refer to protective measures listed in sections 7 and 8.
emergency procedures

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

SECTION 7. HANDLING AND STORAGE

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

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.
Keep in properly labelled containers.

Materials to avoid : Do not store near acids.

Further information on : Stable under normal conditions.
storage stability

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

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally

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required.

Hand protection

Remarks : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : 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
Colour	: Clear
Odour	: amine-like
Odour Threshold	: No data is available on the product itself.
pH	: 9.4 Concentration: 10 g/l
Melting point	: -2.54 °F / -19.19 °C
Boiling point	: 212 °F / 100 °C
Flash point	: > 199.99 °F / > 93.33 °C Method: closed cup
Evaporation rate	: No data is available on the product itself.
Flammability (solid, gas)	: No data is available on the product itself.
Flammability (liquids)	: No data is available on the product itself.
Upper explosion limit / Upper flammability limit	: No data is available on the product itself.
Lower explosion limit / Lower	: No data is available on the product itself.

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flammability limit

Vapour pressure : > 1.333 hPa (68 °F / 20 °C)

Relative vapour density : No data is available on the product itself.

Relative density : 1.05

Density : 1.05 g/cm3 (68 °F / 20 °C)

Solubility(ies)

Water solubility : soluble in cold water

Solubility in other solvents : No data is available on the product itself.

Partition coefficient: n-octanol/water : No data is available on the product itself.

Auto-ignition temperature : No data is available on the product itself.

Decomposition temperature : No data is available on the product itself.

Self-Accelerating decomposition temperature (SADT) : No data is available on the product itself.

Viscosity

Viscosity, kinematic : 39.82 mm2/s (77 °F / 25 °C)

Explosive properties : No data is available on the product itself.

Oxidizing properties : No data is available on the product itself.

Particle size : No data is available on the product itself.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No hazards to be specially mentioned.

Conditions to avoid : None known.

Incompatible materials : None known.

Hazardous decomposition products : carbon dioxide
carbon monoxide

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SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate: 2,157 mg/kg
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:**2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol:**

Acute oral toxicity : LD50 (Rat, male and female): 1,364 mg/kg
Method: OECD Test Guideline 401
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute dermal toxicity : LD50 (Rabbit, male and female): 5,700 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Assessment: The substance or mixture has no acute dermal toxicity

Polyacrylic acid:

Acute oral toxicity : LD50 (Rat): ca. 1,500 mg/kg
Method: OECD Test Guideline 401
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.1 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403
GLP: no
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Skin corrosion/irritation**Product:**

Result : Skin irritation

Components:**2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol:**

Species : Other
Assessment : Irritating to skin.
Method : Expert judgement

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Result	: Irritating to skin.
Remarks	: The GHS classification specified by the authority

Polyacrylic acid:

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

Serious eye damage/eye irritation**Components:****2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol:**

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

Polyacrylic acid:

Species	: Rabbit
Result	: Risk of serious damage to eyes.
Assessment	: Risk of serious damage to eyes.

Respiratory or skin sensitisation**Components:****2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol:**

Test Type	: Maximisation Test
Exposure routes	: Skin
Species	: Guinea pig
Assessment	: Did not cause sensitisation on laboratory animals.
Method	: OECD Test Guideline 406
Result	: Did not cause sensitisation on laboratory animals.
GLP	: yes

Polyacrylic acid:

Exposure routes	: Skin
Species	: Guinea pig
Assessment	: Did not cause sensitisation on laboratory animals.
Result	: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity**Components:****2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol:**

Genotoxicity in vitro	: Test Type: reverse mutation assay
	Test system: Salmonella typhimurium
	Concentration: .167 - 10 mg/plate
	Metabolic activation: with and without metabolic activation

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Method: OECD Test Guideline 471
Result: negative
GLP: yes

Test Type: unscheduled DNA synthesis assay
Test system: rat hepatocytes
Concentration: .16 - 5000 µg/L
Metabolic activation: negative
Method: OECD Test Guideline 482
Result: negative

Test Type: Chromosome aberration test in vitro
Test system: Human lymphocytes
Concentration: 9.8 - 5000 µg/L
Metabolic activation: Metabolic activation
Method: OECD Test Guideline 473
Result: Not classified due to inconclusive data.
GLP: yes

Test Type: In vitro mammalian cell gene mutation test
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Test Type: in vitro assay
Test system: Rodent cell line
Metabolic activation: without metabolic activation
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Mouse (male and female)
Cell type: Somatic
Application Route: Oral
Dose: 1480 mg/kg
Method: OECD Test Guideline 474
Result: negative
GLP: yes

Polyacrylic acid:

Genotoxicity in vitro : Test Type: gene mutation test
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes

Genotoxicity in vivo : Test Type: Chromosome aberration test in vitro
Species: Rat (male and female)
Cell type: Bone marrow
Application Route: Oral
Dose: 100, 333, and 1000 mg/kg bw
Method: OECD Test Guideline 475

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Result: negative
GLP: yes

Carcinogenicity

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**Components:****2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol:**

Effects on fertility : Species: Rat, male and female
Application Route: Oral
General Toxicity - Parent: NOAEL: > 100 mg/kg body weight
General Toxicity F1: NOAEL: > 100 mg/kg body weight
Method: OECD Test Guideline 415
Result: negative
GLP: yes

Effects on foetal development : Test Type: Pre-natal
Species: Rabbit
Application Route: Dermal
Dose: 2.4/12/24 mg/kg
Duration of Single Treatment: 13 d
General Toxicity Maternal: NOAEL: 2.4 - < 12 mg/kg body weight
Teratogenicity: NOAEL: >= 24 mg/kg body weight
Embryo-foetal toxicity: NOAEL: >= 24 mg/kg body weight
Method: OECD Test Guideline 414
Remarks: Information given is based on data obtained from similar substances.

Polyacrylic acid:

Effects on fertility : Test Type: Two-generation study
Species: Rat, male and female
Application Route: Oral
Dose: 0, 53, 240, 460 mg/kg bw/d
General Toxicity - Parent: NOAEL: 240 mg/kg body weight
General Toxicity F1: NOAEL: 53 mg/kg body weight
General Toxicity F2: NOAEL: 53 mg/kg body weight
Method: OECD Test Guideline 416
GLP: yes

Effects on foetal development : Test Type: Pre-natal
Species: Rat, female
Application Route: inhalation (vapour)
Duration of Single Treatment: 10 d
Frequency of Treatment: 7 days/week

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General Toxicity Maternal: NOAEC: 120 mg/m³Developmental Toxicity: NOAEC: 1,080 mg/m³

Method: OECD Test Guideline 414

GLP: yes

STOT - single exposure**Components:****Polyacrylic acid:**

Exposure routes	: inhalation (vapour)
Target Organs	: Respiratory Tract
Assessment	: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

STOT - repeated exposure

No data available

Repeated dose toxicity**Components:****2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol:**

Species	: Rat, male and female
NOAEL	: > 100 mg/kg
Application Route	: oral (gavage)
Exposure time	: 13 weeks 91 d
Number of exposures	: 7 d/w
Dose	: 1/10/100 mg/kg bw/day
Method	: OECD Test Guideline 408

Polyacrylic acid:

Species	: Rat, male
NOAEL	: 40 mg/kg
Application Route	: oral (drinking water)
Exposure time	: 52 Weeks
Dose	: 120/800/2000/5000 ppm
Method	: OECD Test Guideline 452
GLP	: yes

Species	: Rat, female
NOAEL	: 375 mg/kg
Application Route	: oral (drinking water)
Exposure time	: 52 Weeks
Dose	: 120/800/2000/5000 ppm
Method	: OECD Test Guideline 452
GLP	: yes

Aspiration toxicity

No data available

Experience with human exposure

No data available

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Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information

No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol:**

- | | | |
|--|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 320 mg/l
End point: mortality
Exposure time: 96 h
Test Type: semi-static test
Test substance: Fresh water
Method: OECD Test Guideline 203
GLP: yes |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 72 mg/l
End point: Immobilization
Exposure time: 48 h
Test Type: semi-static test
Test substance: Fresh water
Method: OECD Test Guideline 202
GLP: yes |
| Toxicity to algae/aquatic plants | : | ErC50 (Selenastrum capricornutum (green algae)): > 110 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 201
GLP: yes

NOECr (Selenastrum capricornutum (green algae)): 29.3 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 201
GLP: yes |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC (Daphnia magna (Water flea)): 1.9 mg/l
Exposure time: 28 d
Test Type: semi-static test
Test substance: Fresh water
Method: OECD Test Guideline 211
GLP: yes |
| Toxicity to microorganisms | : | IC50 (activated sludge): > 100 mg/l
Exposure time: 3 h
Test substance: Fresh water
Method: OECD Test Guideline 209 |

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GLP: yes

Polyacrylic acid:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 27 mg/l
End point: mortality
Exposure time: 96 h
Test substance: Fresh water
Remarks: Information given is based on data obtained from similar substances.

LC50 (Oryzias latipes (Orange-red killifish)): 62 mg/l
End point: mortality
Exposure time: 96 h
Test substance: Fresh water
Remarks: Information given is based on data obtained from similar substances.

LC50 (Cyprinodon variegatus (sheepshead minnow)): 236 mg/l
End point: mortality
Exposure time: 96 h
Test substance: Fresh water
Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 47 mg/l
Exposure time: 48 h
Test substance: Fresh water

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 0.13 mg/l
Exposure time: 72 h
Test substance: Fresh water

EC10 (Desmodesmus subspicatus (green algae)): 0.03 mg/l
Exposure time: 72 h
Test substance: Fresh water

Toxicity to microorganisms : NOEC (Bacteria): 0.9 mg/l
Test substance: Fresh water

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

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

Persistence and degradability**Components:****2-[[2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol:**

Biodegradability : aerobic
Inoculum: activated sludge
Result: Not readily biodegradable.
Biodegradation: 1 %
Exposure time: 28 d

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Method: OECD Test Guideline 301D
GLP: yes

Stability in water : Degradation half life (DT50): > 1 yr (25 °C) pH: 9
Method: OECD Test Guideline 111
GLP: yes

Degradation half life (DT50): > 1 yr (25 °C) pH: 4

Polyacrylic acid:

Biodegradability : aerobic
Inoculum: activated sludge, non-adapted
Concentration: 75.1 mg/l
Theoretical oxygen demand
Result: Readily biodegradable.
Biodegradation: 87.4 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
GLP: yes

Bioaccumulative potential**Components:****2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol:**

Partition coefficient: n- : log Pow: -0.48 (79 °F / 26 °C)
octanol/water : Method: OECD Test Guideline 107
GLP: yes

Polyacrylic acid:

Partition coefficient: n- : log Pow: 0.27
octanol/water : pH: 3.59 - 3.63
Method: OECD Test Guideline 107
GLP: yes

Mobility in soil**Components:****2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]ethanol:**

Distribution among : Koc: 11754
environmental compartments : Method: OECD Test Guideline 121

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 : An environmental hazard cannot be excluded in the event of

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information

unprofessional handling or disposal.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of contents and container in accordance with all local, regional, national and international regulations.
Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

Not regulated as dangerous goods

IATA-DGR

Not regulated as dangerous goods

IMDG-Code

Not regulated as dangerous goods

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

Not applicable for product as supplied.

National Regulations**49 CFR**

Not regulated as dangerous goods

Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION**CERCLA Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

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

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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.

This product does not contain any hazardous air pollutants (HAP) $\geq 0.1\%$, as defined by the U.S. Clean Air Act Section 112 (40 CFR 61)

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

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

Inventories

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

TSCA - 5(a) Significant New Use Rule List of Chemicals

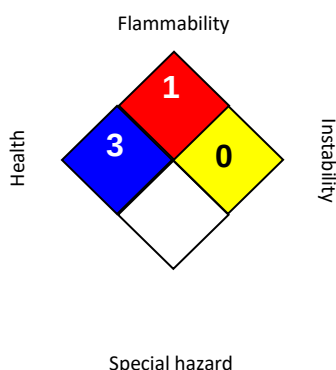
No substances are subject to a Significant New Use Rule.

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

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

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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

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