

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

SECTION 1. IDENTIFICATION

Product name : TERSPERSE® 5719

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

Manufacturer or supplier's details

E-mail address of person responsible for the SDS : SDSHUN@indorama.net
Emergency telephone number : CHEMTREC - USA (English)
Local Number (National): +1 703-741-5970
Toll-Free Number: 1-800-424-9300

Recommended use of the chemical and restrictions on use

Recommended use : Agrochemical

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 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.

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

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 facility in accordance with local, regional, national and international regulations.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

Surfactant with ammonium salt	–	25 - 30
docusate sodium	577-11-7	10 - 20
Alkyl benzenesulphonic salt	–	10 - 20
2-ethylhexan-1-ol	104-76-7	10 - 20
Alkylaryl ether	–	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.

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

- 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.
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 : Clean mouth with water and drink afterwards plenty of water.
Keep respiratory tract clear.
Do NOT induce vomiting.
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. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon oxides
Carbon dioxide (CO₂)
Carbon monoxide
- Specific extinguishing methods : No data is available on the product itself.
- 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.

TERSPERSE® 5719

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12/08/2019	400041012963	Date of first issue: 12/08/2019

Print Date 12/07/2020

Special protective equipment for firefighters : 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. Refer to protective measures listed in sections 7 and 8.

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. Keep in properly labelled containers.

Materials to avoid : For incompatible materials please refer to Section 10 of this SDS.

Further information on storage stability : Stable under normal conditions.

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

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn.

TERSPERSE® 5719

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12/08/2019	400041012963	Date of first issue: 12/08/2019

Print Date 12/07/2020

Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Remarks : 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	: amber
Odour	: pungent
Odour Threshold	: No data is available on the product itself.
pH	: 8.3
Freezing point	: No data is available on the product itself.
Melting point	: No data is available on the product itself.
Boiling point	: 212 °F / 100 °C
Flash point	: 201 °F / 94 °C Method: Pensky-Martens 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	: No data is available on the product itself.

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
 Date of first issue: 12/08/2019

Print Date 12/07/2020

flammability limit

Lower explosion limit / Lower flammability limit : No data is available on the product itself.

Vapour pressure : No data is available on the product itself.

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

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

Density : No data is available on the product itself.

Solubility(ies)

Water solubility : soluble

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.

Thermal decomposition : No data is available on the product itself.

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

Viscosity

 Viscosity, kinematic : 178.02 mm²/s (104 °F / 40 °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.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data is available on the product itself.

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

Acute toxicity

Acute oral toxicity - Product : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

Acute inhalation toxicity - Product : Acute toxicity estimate: > 10 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Acute toxicity estimate: 105.77 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

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

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

Acute toxicity (other routes of administration) : No data available

Skin corrosion/irritation**Components:**

docusate sodium:

Species: Rabbit

Method: OECD Test Guideline 404

Result: Severe skin irritation

Alkyl benzenesulphonic salt:

Species: Rabbit

Assessment: Irritating to skin.

Method: OECD Test Guideline 404

Result: Irritating to skin.

2-ethylhexan-1-ol:

Species: Rabbit

Assessment: Severe skin irritation

Method: OECD Test Guideline 404

Result: Irritating to skin.

Serious eye damage/eye irritation**Components:**

Alkyl benzenesulphonic salt:

Species: Rabbit

Result: Irreversible effects on the eye

Assessment: Corrosive

Method: OECD Test Guideline 405

2-ethylhexan-1-ol:

TERSPERSE® 5719

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12/08/2019	400041012963	Date of first issue: 12/08/2019

Print Date 12/07/2020

Alkyl benzenesulphonic salt:
Genotoxicity in vivo : Application Route: Oral
Exposure time: 72 h
Dose: 1122 mg/kg
Method: OECD Test Guideline 474
Result: negative

Germ cell mutagenicity-
Assessment : No data available

Carcinogenicity
Components:

docusate sodium:
Species: Rat, male
Application Route: Oral
Exposure time: 24 month(s)
Dose: 10000 ppm
Frequency of Treatment: 7 daily
Method: OECD Test Guideline 451
Result: negative

2-ethylhexan-1-ol:
Species: Rat, male and female
Application Route: Oral
Exposure time: 24 month(s)
Dose: 500 mg/kg
Frequency of Treatment: 5 daily
Method: OECD Test Guideline 453
Result: negative
Target Organs: Gastro-intestinal system, Brain, Liver, Kidney, Testes

Carcinogenicity -
Assessment : No data available

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.

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

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:

docusate sodium:
Effects on fertility : Species: Rat, male and female
Application Route: Oral

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

Method: OECD Test Guideline 416
Result: negative

Alkyl benzenesulphonic salt:

Species: Rat, male and female
Application Route: Oral
Result: negative

Components:

docusate sodium:

Effects on foetal
development

: Species: Rat, female
Application Route: Oral
General Toxicity Maternal: No observed adverse effect level:
750 mg/kg body weight
Method: OECD Test Guideline 414
Result: No teratogenic effects

Alkyl benzenesulphonic salt:

Species: Rat, female
Application Route: Oral
General Toxicity Maternal: No observed adverse effect level:
300 mg/kg body weight
Result: No teratogenic effects

Species: Rat, female
Application Route: Oral
General Toxicity Maternal: No observed adverse effect level: 2
mg/kg body weight
Result: No teratogenic effects

2-ethylhexan-1-ol:

Species: Rat, female
Application Route: Oral
General Toxicity Maternal: No observed adverse effect level:
130 mg/kg body weight
Method: OECD Test Guideline 414
Result: No teratogenic effects

Reproductive toxicity -
Assessment

: No data available

STOT - single exposure**Components:**

2-ethylhexan-1-ol:

Exposure routes: Inhalation

Target Organs: Respiratory system

Assessment: May cause respiratory irritation.

STOT - repeated exposure

No data available

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

Repeated dose toxicity**Components:**

docusate sodium:

Species: Rat, male and female

NOAEL: 750 mg/kg

Application Route: Ingestion

Exposure time: 2,160 h

Method: Subchronic toxicity

Alkyl benzenesulphonic salt:

Species: Rat, male and female

NOAEL: 125 mg/kg/d

Application Route: Ingestion

Exposure time: 672 h

Number of exposures: 7 d

Method: Subacute toxicity

Species: Rat, male and female

NOAEL: 85 mg/kg/d

Application Route: Ingestion

Exposure time: 6,480 h

Number of exposures: 7 d

Method: Subchronic toxicity

2-ethylhexan-1-ol:

Species: Rat, male and female

Test atmosphere: vapour

Exposure time: 2,160 h

Number of exposures: 5 d

Method: OECD Test Guideline 413

Species: Rat

NOEL: 125 mg/kg

Application Route: Ingestion

Exposure time: 13 Weeks

Number of exposures: 5 d

Method: Subchronic toxicity

Repeated dose toxicity - Assessment : No data available

Aspiration toxicity

No data available

Experience with human exposure

General Information: No data available

Inhalation: No data available

Skin contact: No data available

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

Eye contact: No data available

Ingestion: No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information

Ingestion: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:**

Surfactant with ammonium salt:

Toxicity to fish : LC50: 33 mg/l
Exposure time: 96 h

docosate sodium:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 49 mg/l
Exposure time: 96 h
Test Type: semi-static test
Test substance: Fresh water
Method: Directive 67/548/EEC, Annex V, C.1.LC50 (Pimephales promelas (fathead minnow)): 17.3 mg/l
Exposure time: 96 h
Test Type: static test
Test substance: Fresh water
Method: Fish Acute Toxicity Test

Alkyl benzenesulphonic salt:

Toxicity to fish : LC50: > 1 - < 10 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

2-ethylhexan-1-ol:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 17.1 mg/l
Exposure time: 96 h
Test Type: flow-through test
Test substance: Fresh water
Method: Directive 67/548/EEC, Annex V, C.1.**Components:**

TERSPERSE® 5719

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12/08/2019	400041012963	Date of first issue: 12/08/2019

Print Date 12/07/2020

Surfactant with ammonium salt:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 24 mg/l
Exposure time: 48 h

docosate sodium:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6.6 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: Fresh water
Method: Directive 67/548/EEC, Annex V, C.2.

Alkyl benzenesulphonic salt:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2.9 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

2-ethylhexan-1-ol:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 39 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: Fresh water
Method: Directive 67/548/EEC, Annex V, C.2.

Components:**Alkyl benzenesulphonic salt:**

Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum (green algae)): 29 mg/l
Exposure time: 96 h
Test Type: static test

M-Factor (Acute aquatic toxicity) : No data available

Components:**Alkyl benzenesulphonic salt:**

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.23 mg/l
Exposure time: 72 d
Test Type: flow-through test

Components:**Alkyl benzenesulphonic salt:**

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 1.18 mg/l
Exposure time: 21 d
Test Type: flow-through test
Test substance: Fresh water

M-Factor (Chronic aquatic toxicity) : No data available

Components:**docosate sodium:**

Toxicity to microorganisms : EC50 (Pseudomonas putida): 164 mg/l
Exposure time: 16 h
Test Type: static test

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

Test substance: Fresh water
Method: DIN 38412

Alkyl benzenesulphonic salt:
Toxicity to microorganisms : EC50 (activated sludge): 550 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Toxicity to soil dwelling organisms : No data available

Components:

Alkyl benzenesulphonic salt:
Plant toxicity : EC50: 142 mg/kg
Exposure time: 336 h
Test substance: Synthetic
Method: Terrestrial Plants Test: Seedling Emergence and Seedling Growth Test

Sediment toxicity : No data available

Toxicity to terrestrial organisms : No data available

Ecotoxicology Assessment

Components:

Surfactant with ammonium salt:
Acute aquatic toxicity : Harmful to aquatic life.

Components:

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

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

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

Harmful to aquatic life with long lasting effects.

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

Persistence and degradability

Components:

docusate sodium:
Biodegradability : Inoculum: activated sludge
Concentration: 10 mg/l
Result: Readily biodegradable.
Biodegradation: 91.2 %

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

Exposure time: 28 d
Method: ISO 14593

Alkyl benzenesulphonic salt:
Biodegradability

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

Inoculum: Soil
Concentration: .2 - 20
Result: Readily biodegradable.
Biodegradation: 70 - 99 %
Exposure time: 122 d

Alkylaryl ether:
Biodegradability

: Result: Not readily biodegradable.
Biodegradation: < 70 %
Exposure time: 28 d
Method: AS Method, other

Result: Not readily biodegradable.
Biodegradation: < 70 %
Exposure time: 28 d
Method: AS Method, other

Biochemical Oxygen
Demand (BOD)

: No data available

Chemical Oxygen Demand
(COD)

: No data available

BOD/COD

: No data available

ThOD

: No data available

BOD/ThOD

: No data available

Dissolved organic carbon
(DOC)

: No data available

Physico-chemical
removability

: No data available

Components:

Alkyl benzenesulphonic salt:
Stability in water

: Degradation half life(DT50): > 1 yr (122 °F / 50 °C) pH: 7.4
Method: OECD Test Guideline 111
Remarks: Fresh water

Photodegradation

: No data available

Impact on Sewage
Treatment

: No data available

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

Bioaccumulative potential
Components:

Alkyl benzenesulphonic salt:
Bioaccumulation : Species: Pimephales promelas (fathead minnow)
Bioconcentration factor (BCF): 2 - 1,000
Exposure time: 8 d
Test substance: Fresh water
Method: flow-through test
Remarks: Bioaccumulation is unlikely.

2-ethylhexan-1-ol:
Bioaccumulation : Bioconcentration factor (BCF): 25.33
Remarks: Bioaccumulation is unlikely.

Components:

Surfactant with ammonium salt:
Partition coefficient: n-octanol/water : log Pow: 0.748

docusate sodium:
Partition coefficient: n-octanol/water : log Pow: 1.998 (68 °F / 20 °C)
Method: Partition coefficient

Alkyl benzenesulphonic salt:
Partition coefficient: n-octanol/water : log Pow: 2.89 (68 °F / 20 °C)
Method: Partition coefficient

2-ethylhexan-1-ol:
Partition coefficient: n-octanol/water : log Pow: 2.9 (77 °F / 25 °C)
pH: 7
Method: OECD Test Guideline 117

Mobility in soil

Mobility : No data available

Components:

docusate sodium:
Distribution among environmental compartments : Koc: 1040
Koc: 953

2-ethylhexan-1-ol:
Distribution among environmental compartments : Koc: 26.01
Stability in soil : No data available

Other adverse effects

Environmental fate and pathways : No data available

Results of PBT and vPvB assessment : No data available

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

Endocrine disrupting potential : No data available

Adsorbed organic bound halogens (AOX) : No data available

Hazardous to the ozone layer

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 - Product : 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.

Global warming potential (GWP) : No data available

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.
Dispose of as hazardous waste in compliance with local and national regulations.
Dispose of contents/ container to an approved waste disposal plant.

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

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

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

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

Not applicable for product as supplied.

National Regulations
DOT Classification

Not regulated as dangerous goods

SECTION 15. REGULATORY INFORMATION
EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
ethylene oxide	75-21-8	10	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Skin corrosion or irritation
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.

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

California Prop. 65

WARNING: This product can expose you to chemicals including ethylene oxide, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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

CH INV : Not in compliance with the inventory

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

NZIoC : 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 : Not 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

TERSPERSE® 5719

Version 1.0 Revision Date: 12/08/2019 SDS Number: 400041012963 Date of last issue: -
Date of first issue: 12/08/2019

Print Date 12/07/2020

Inventories

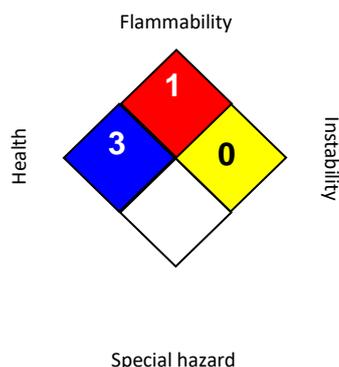
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

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.

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

Revision Date : 12/08/2019

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

The trademarks above are the property of Indorama Ventures Oxides LLC or an affiliate thereof.

SAFETY DATA SHEET



TERSPERSE® 5719

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12/08/2019	400041012963	Date of first issue: 12/08/2019

Print Date 12/07/2020

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED INDORAMA VENTURES EMPLOYEE IS AUTHORIZED TO PROVIDE OR MAKE AVAILABLE DATA SHEETS FOR INDORAMA VENTURES PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION THAT IS NO LONGER CURRENT OR ACCURATE.