

SAFETY DATA SHEET

Neolone® HF



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1.0	10/03/2024	215000012527	Country / Language: US / EN

SECTION 1. IDENTIFICATION

Product name : Neolone® HF

Product code : 000000000062667330

Manufacturer or supplier's details

Company : LANXESS Corporation
Product Safety & Regulatory Affairs
111 RIDC Park West Drive
Pittsburgh, Pennsylvania 15275-1112

Responsible Department : (800) LANXESS
(412) 809-1000
lanxesshes@lanxess.com

Emergency telephone : CHEMTREC (800) 424-9300 or
(703) 527-3887 (Outside U.S.A) and mention CCN12916.
Lanxess Emergency Phone (800) 410-3063.

Recommended use of the chemical and restrictions on use

Recommended use : Personal care

SECTION 2. HAZARDS IDENTIFICATION

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

Serious eye damage : Category 1

Specific target organ toxicity : Category 3 (Respiratory system)
- single exposure

GHS label elements

Hazard pictograms :  

Signal Word : Danger

Hazard Statements : Causes serious eye damage.
May cause respiratory irritation.

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Precautionary Statements

Prevention:

Avoid breathing mist or vapors.
Use only outdoors or in a well-ventilated area.
Wear eye protection/ face protection.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

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.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal:

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

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
2-phenoxyethanol	122-99-6	>= 70 - < 90
3-(2-ethylhexyloxy)propane-1,2-diol	70445-33-9	>= 20 - < 30

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.
Show this safety data sheet to the doctor in attendance.

If inhaled : Get medical attention immediately.
Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If unconscious, place in recovery position and get medical attention immediately.
Maintain open airway.
If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained per-

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sonnel.

- In case of skin contact : Wash off with soap and water.
Get medical attention if symptoms occur.
- In case of eye contact : Get medical attention immediately.
In case of contact, flush eyes with plenty of water for at least 30 minutes. Use fingers to ensure that eyelids are separated and that the eye is being irrigated.
Remove contact lenses, if present and easy to do. Continue rinsing.
Chemical burns must be treated promptly by a physician.
- If swallowed : Rinse mouth with water.
Do not induce vomiting unless directed to do by medical personnel.
Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

- Symptoms : May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.
Eye: Corrosive with symptoms of reddening, tearing, swelling, burning and possible permanent damage.
- Effects : Causes serious eye damage.
May cause respiratory irritation.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection).
If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water fog or fine spray.
Dry chemical fire extinguishers.
In case of fire, use carbon dioxide.
Foam
Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.
Water fog, applied gently may be used as a blanket for fire extinguishment.

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| Unsuitable extinguishing media | : | Do not use direct water stream.
May spread fire. |
| Specific hazards during fire fighting | : | Container may rupture from gas generation in a fire situation.
Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. |
| Hazardous combustion products | : | Carbon dioxide (CO ₂)
Carbon monoxide |
| Further information | : | Keep people away. Isolate fire and deny unnecessary entry.
Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed.
Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles.
Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container.
Do not use direct water stream.
May spread fire.
Move containers from fire if this can be done without risk.
Burning liquids may be moved by flushing with water to protect personnel and minimize property damage.
Water fog, applied gently may be used as a blanket for fire extinguishment. |
| Special protective equipment for fire-fighters | : | Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves).
If protective equipment is not available or not used, fight fire from a protected location or safe distance. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

- | | | |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Isolate area.
Keep unnecessary and unprotected personnel from entering.
Refer to section 7, Handling, for additional precautionary measures.
Wear suitable protective equipment.
For personal protection see section 8.
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. |

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Methods and materials for containment and cleaning up : Small spill:
Absorb with materials such as:
Sand.
Vermiculite
Collect in suitable and properly labeled containers.
Large spills:
Contain spilled material if possible.
Pump into suitable and properly labeled containers.
For disposal considerations see section 13.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid contact with skin, eyes and clothing.
Do not swallow.
Wash thoroughly after handling.
Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.
See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Conditions for safe storage : Store in the following material(s):
Carbon steel
Stainless steel
Phenolic lined steel drums.
Do not store in:
Aluminum
Copper
Galvanized iron.
Galvanized steel.
See Section 10 for more specific information.

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 : Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient

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for most operations.
Local exhaust ventilation may be necessary for some operations.

Personal protective equipment

Respiratory protection : Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process.
For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator.

Hand protection
Material : Polyvinyl chloride - PVC
Break through time : > 480 min
Glove thickness : 0.35 mm

Eye protection : Safety glasses with side-shields

Skin and body protection : Complete suit protecting against chemicals
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
Appropriate techniques should be used to remove potentially contaminated clothing.
Wash contaminated clothing before reusing.
Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid
Physical state : liquid
Color : clear, Colorless to light yellow
Odor : odorless
Odor Threshold : No data available

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pH	:	4 - 7 Concentration: 10 %
Melting point/ range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Self-ignition	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	1.05 (68 °F / 20 °C)
Density	:	1.0 - 1.1 g/cm ³ (68 °F / 20 °C)
Solubility(ies)		
Water solubility	:	partly soluble
Solubility in other solvents	:	Solvent: glycols Solvent: alcohols
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available

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Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : Thermally stable at typical use temperatures.

Possibility of hazardous reactions : Hazardous polymerization does not occur.

Conditions to avoid : Do not distill to dryness.
Product can oxidize at elevated temperatures.
Generation of gas during decomposition can cause pressure in closed systems.

Incompatible materials : Avoid contact with:
Strong acids
Strong bases
Strong oxidizers.

Hazardous decomposition products : No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified due to lack of data.

Product:

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

Acute inhalation toxicity : Acute toxicity estimate: 11.32 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

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

Components:

2-phenoxyethanol:

Acute inhalation toxicity : LC50 (Rat, male and female): > 1 mg/l

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Exposure time: 6 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 412
GLP: Yes
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Dosage caused no mortality
Highest producible concentration.

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,214 mg/kg
GLP: No
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Dosage caused no mortality

3-(2-ethylhexyloxy)propane-1,2-diol:

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 401
GLP: No information available.

Acute inhalation toxicity : LC50 (Rat, male): 2.83 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: No information available.

LC50 (Rat, female): 3.22 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: No information available.

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

Skin corrosion/irritation

Not classified due to lack of data.

Components:

2-phenoxyethanol:

Species : Rabbit
Exposure time : 4 h
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : No

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3-(2-ethylhexyloxy)propane-1,2-diol:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation
GLP	:	No information available.

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

2-phenoxyethanol:

Species	:	Rabbit
Assessment	:	Risk of serious damage to eyes.
Method	:	OECD Test Guideline 405
GLP	:	No

3-(2-ethylhexyloxy)propane-1,2-diol:

Species	:	Rabbit
Result	:	Irreversible effects on the eye
Method	:	OECD Test Guideline 405
GLP	:	No information available.

Respiratory or skin sensitization

Skin sensitization

Not classified due to lack of data.

Respiratory sensitization

Not classified due to lack of data.

Components:

2-phenoxyethanol:

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

3-(2-ethylhexyloxy)propane-1,2-diol:

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

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GLP : No information available.

Germ cell mutagenicity

Not classified due to lack of data.

Components:

2-phenoxyethanol:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: Yes

Test Type: Ames test
Test system: Escherichia coli
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: Yes

Test Type: In vitro mammalian cell gene mutation test
Test system: Chinese hamster lung cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: Yes

Test Type: Chromosome aberration test in vitro
Test system: Chinese hamster lung cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: Yes

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Mouse (male)
Application Route: Intraperitoneal
Method: OECD Test Guideline 474
Result: negative
GLP: Yes

Test Type: unscheduled DNA synthesis assay
Species: Rat (male)
Cell type: Liver cells
Application Route: Oral
Method: OECD Test Guideline 486
Result: negative

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GLP: Yes

Test Type: Cytogenetic assay
Species: Rat (male and female)
Cell type: Bone marrow
Application Route: Oral
Method: OECD Test Guideline 475
Result: negative
GLP: Yes

3-(2-ethylhexyloxy)propane-1,2-diol:

Genotoxicity in vitro : Test Type: Ames test
Test system: TA100
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: No information available.

Test Type: In vitro mammalian cell gene mutation test
Test system: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: No information available.

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse (male and female)
Strain: NMRI
Cell type: Bone marrow
Application Route: Oral
Method: OECD Test Guideline 474
Result: negative
GLP: No information available.

Carcinogenicity

Not classified due to lack of data.

Components:

2-phenoxyethanol:

Species : Mouse, male
Application Route : Oral
Exposure time : 2 Years
Dose : 468 - 898 - 1702 mg/kg bw/day
NOAEL : 468 mg/kg bw/day
Method : OECD Test Guideline 451
Result : negative
GLP : Yes

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Species : Mouse, female
Application Route : Oral
Exposure time : 2 Years
Dose : 586 - 1072 - 2058 mg/kg bw/day
NOAEL : 586 mg/kg bw/day
Method : OECD Test Guideline 451
Result : negative
GLP : Yes

Species : Rat, female
Application Route : Oral
Exposure time : 2 Years
Dose : 191 - 380 - 795 mg/kg bw/day
NOAEL : 380 mg/kg bw/day
Method : OECD Test Guideline 451
Result : negative
GLP : Yes

Species : Rat, male
Application Route : Oral
Exposure time : 2 Years
Dose : 124 - 249 - 510 mg/kg bw/day
NOAEL : 249 mg/kg bw/day
Method : OECD Test Guideline 451
Result : negative
GLP : Yes

IARC No ingredient 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 ingredient 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 due to lack of data.

Components:

2-phenoxyethanol:

Effects on fetal development : Test Type: Pre-natal
Species: Rat, female
Application Route: Oral
Dose: 100 - 300 - 1000 milligram per kilogram
General Toxicity Maternal: NOAEL: 300 mg/kg body weight
Developmental Toxicity: NOAEL: 1,000 mg/kg body weight

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Method: OECD Test Guideline 414

Result: negative

GLP: Yes

Test Type: Pre-natal

Species: Rabbit, female

Application Route: Dermal

Dose: 300 - 600 - 1000 milligram per kilogram

General Toxicity Maternal: NOAEL: 300 mg/kg body weight

Teratogenicity: NOAEL: 600 mg/kg body weight

Developmental Toxicity: NOAEL: 600 mg/kg body weight

Embryo-fetal toxicity.: NOAEL: 600 mg/kg body weight

Method: OECD Test Guideline 414

Result: negative

GLP: Yes

STOT-single exposure

May cause respiratory irritation.

Components:

2-phenoxyethanol:

Assessment : May cause respiratory irritation.

STOT-repeated exposure

Not classified due to lack of data.

Repeated dose toxicity

Components:

2-phenoxyethanol:

Species : Rat, male and female
NOAEL : 369 mg/kg
Application Route : Oral
Exposure time : 90 Days
Number of exposures : daily
Dose : 96 - 185 - 369 - 687 - 1514 mg/kg bw/day
Method : OECD Test Guideline 408
GLP : Yes
Remarks : Subchronic toxicity

Species : Rat, male and female
NOAEC : 48.2 mg/m³
Application Route : Inhalation
Test atmosphere : dust/mist
Exposure time : 14 Days
Number of exposures : 6 hours/day, 5 days/week
Dose : 48,2 - 246 - 1070 mg/m³

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Method	:	OECD Test Guideline 412
GLP	:	Yes
Remarks	:	Subacute toxicity
Species	:	Rabbit, male and female
NOAEL	:	>= 500 mg/kg
Application Route	:	Dermal
Exposure time	:	90 Days
Number of exposures	:	5 days/week
Dose	:	50 - 150 - 500 mg/kg bw/day
Method	:	OECD Test Guideline 411
GLP	:	Yes
Remarks	:	Subchronic toxicity

Aspiration toxicity

Not classified due to lack of data.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

2-phenoxyethanol:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 344 mg/l Exposure time: 96 h Test Type: flow-through test Analytical monitoring: Yes Remarks: Fresh water
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Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 500 mg/l Exposure time: 48 h Test Type: static test Analytical monitoring: No Method: OECD Test Guideline 202 GLP: No Remarks: Fresh water
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Toxicity to algae/aquatic plants	:	NOEC (Desmodesmus subspicatus (green algae)): 46 mg/l End point: Growth rate Exposure time: 72 h Test Type: static test Analytical monitoring: Yes Method: OECD Test Guideline 201 GLP: Yes Remarks: Fresh water nominal concentration
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ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l

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End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: Yes
Method: OECD Test Guideline 201
GLP: Yes
Remarks: Fresh water
nominal concentration

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 23 mg/l
Exposure time: 34 d
Test Type: flow-through test
Analytical monitoring: Yes
Method: OECD Test Guideline 210
GLP: Yes
Remarks: Fresh water
nominal concentration

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 9.43 mg/l
End point: Reproduction
Exposure time: 21 d
Test Type: semi-static test
Analytical monitoring: Yes
Method: OECD Test Guideline 211
GLP: Yes
Remarks: Fresh water

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l
End point: Respiration inhibition
Exposure time: 30 min
Test Type: static test
Analytical monitoring: No
Method: OECD Test Guideline 209
GLP: Yes
Remarks: Fresh water
nominal concentration

EC50 (Pseudomonas putida): 883.3 mg/l
Exposure time: 17 h
Analytical monitoring: No
Method: DIN 38 412 Part 8
GLP: No
Remarks: Fresh water
nominal concentration

3-(2-ethylhexyloxy)propane-1,2-diol:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 60.2 mg/l
Exposure time: 96 h
Test Type: static test

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Analytical monitoring: No information available.
Method: OECD Test Guideline 203
GLP: No information available.
Remarks: Fresh water
nominal concentration

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 78.3 mg/l
End point: Immobilization
Exposure time: 48 h
Test Type: static test
Analytical monitoring: No information available.
Method: OECD Test Guideline 202
GLP: No information available.
Remarks: Fresh water
nominal concentration

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 84.3 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: No information available.
Method: OECD Test Guideline 201
GLP: No information available.
Remarks: Fresh water
nominal concentration

EC10 (Desmodesmus subspicatus (green algae)): 50.23 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: No information available.
Method: OECD Test Guideline 201
GLP: No information available.
Remarks: Fresh water
nominal concentration

NOEC (Desmodesmus subspicatus (green algae)): 22.17 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: No information available.
Method: OECD Test Guideline 201
GLP: No information available.
Remarks: Fresh water
nominal concentration

Toxicity to fish (Chronic toxicity) : NOEC (Danio rerio (zebra fish)): 1.5 mg/l
End point: weight
Exposure time: 35 d
Test Type: flow-through test

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Analytical monitoring: No information available.
Method: OECD Test Guideline 210
GLP: No information available.
Remarks: Fresh water
nominal concentration

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 20 mg/l
End point: Reproduction
Exposure time: 21 d
Test Type: semi-static test
Analytical monitoring: No information available.
Method: OECD Test Guideline 211
GLP: No information available.
Remarks: Fresh water
nominal concentration

Toxicity to microorganisms : EC50 (activated sludge): 560 mg/l
End point: Respiration inhibition
Exposure time: 3 h
Test Type: static test
Analytical monitoring: No information available.
Method: OECD Test Guideline 209
GLP: No information available.
Remarks: Fresh water
nominal concentration

Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): 455 mg/kg
Exposure time: 14 d
End point: Growth
Method: OECD Test Guideline 207
GLP: No information available.

LC50 (Eisenia fetida (earthworms)): 894 mg/kg
Exposure time: 14 d
End point: Survival
Method: OECD Test Guideline 207
GLP: No information available.

Persistence and degradability

Components:

2-phenoxyethanol:

Biodegradability : aerobic
Inoculum: activated sludge, non-adapted
Result: Readily biodegradable.
Biodegradation: 90 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

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GLP: Yes

aerobic
Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: 90 - 100 %
Exposure time: 15 d
Method: OECD Test Guideline 301A
GLP: Yes

3-(2-ethylhexyloxy)propane-1,2-diol:

Biodegradability : aerobic
Inoculum: activated sludge, non-adapted
Result: Not rapidly biodegradable
Biodegradation: 20.6 %
Exposure time: 28 d
Method: OECD Test Guideline 301D
GLP: No information available.

aerobic
Inoculum: activated sludge
Result: Not rapidly biodegradable
Biodegradation: 70 %
Exposure time: 28 d
Method: OECD Test Guideline 302B
GLP: No information available.

aerobic
Inoculum: activated sludge
Concentration: 16 mg/l
Dissolved organic carbon (DOC)
Biodegradation: 45 %
Method: OECD Test Guideline 303A
GLP: No information available.

Bioaccumulative potential

Components:

2-phenoxyethanol:

Bioaccumulation : Bioconcentration factor (BCF): 0.35
Method: Calculated value

Partition coefficient: n-octanol/water : log Pow: 1.2 (73 °F / 23 °C)
pH: 7
Method: Regulation (EC) No. 440/2008, Annex, A.8
GLP: Yes

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3-(2-ethylhexyloxy)propane-1,2-diol:

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Partition coefficient: n-octanol/water : log Pow: 2.53 (68 °F / 20 °C)
Method: OECD Test Guideline 107

Mobility in soil

Components:

2-phenoxyethanol:

Distribution among environmental compartments : Koc: 40.74, log Koc: 1.6
Method: OECD Test Guideline 121

3-(2-ethylhexyloxy)propane-1,2-diol:

Distribution among environmental compartments : log Koc: < 1.5
Method: OECD Test Guideline 121

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource Conservation and Recovery Authorization Act : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste from residues : The generation of waste should be avoided or minimized wherever possible.
This material and its container must be disposed of in a safe way.
Empty containers retain product residue; observe all precautions for product.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.

Contaminated packaging : Empty containers retain product residues. Follow label warnings even after container is emptied. Improper disposal or reuse of this container may be dangerous and illegal. Refer to applicable federal, state and local regulations.

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SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not regulated as a dangerous good

Hazard and Handling Notes.

Not dangerous cargo

Risk of serious damage to eyes

Keep separated from foodstuffs

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 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
Specific target organ toxicity (single or repeated exposure)

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

2- phenoxyethanol	122-99-6	>= 70 - < 90 %
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2-(2- phenoxyeth- oxy)ethanol	104-68-7	< 0.1 %
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US State Regulations

Massachusetts Right To Know

phenol	108-95-2	< 0.001
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Pennsylvania Right To Know

2-phenoxyethanol	122-99-6	70 - 90
3-(2-ethylhexyloxy)propane-1,2-diol	70445-33-9	20 - 30
2-(2-phenoxyethoxy)ethanol	104-68-7	< 0.1

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.

TSCA inventory

TSCA : This product is regulated under the United States Food and Drug Act (FDA).

TSCA list

No substances are subject to a Significant New Use Rule.

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

SECTION 16. OTHER INFORMATION

Further information

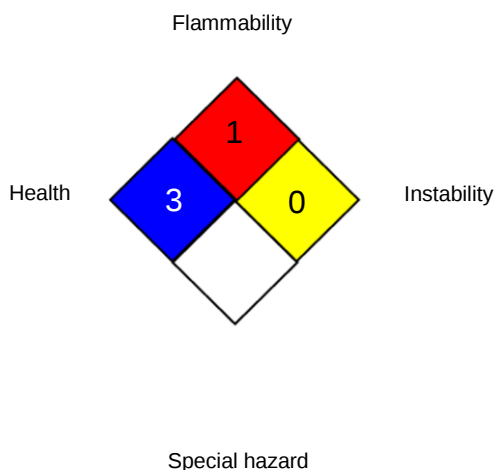
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NFPA 704:



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 Organization for Standardization; KECl - 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 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

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and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals 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

Revision Date : 10/03/2024

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. 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 to be a guidance for processing and does not contain any 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. It is the responsibility of the recipient of the product to ensure that any proprietary rights and existing laws and legislation are observed.

Relevant changes from the previous version are marked on the left side of the Safety Data Sheet with a black double bar in appropriate places.