



SAFETY DATA SHEET

Revision Date: 10/26/2022

Print Date: 3/13/2023

SDS Number: 000000307063

Version: 1.4

sensiva™ pa 20 multifunctional
 ™ Trademark, Ashland or its subsidiaries, registered
 in various countries
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29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Trade name : sensiva™ pa 20 multifunctional
 Description : multifunctional
 ™ Trademark, Ashland or its subsidiaries, registered in
 various countries

Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Cosmetic additive

Details of the supplier of the safety data sheet

Ashland
 P.O. Box 2219
 Columbus, OH 43216
 United States of America (USA)
 1-614-790-3333 (USA)

EHSProductSafety@ashland.com

Emergency telephone

1-800-ASHLAND (1-800-274-5263)

Regulatory information

1-614-790-3333 (customer service)

Product Information

1-614-790-3333 (USA)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) : Category 4

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : Harmful if swallowed.
 Causes serious eye damage.

Precautionary Statements : If medical advice is needed, have product container or label at

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hand.

Keep out of reach of children.

Read label before use.

Prevention:

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear eye protection/ face protection.

Response:

IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

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:

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

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical name	CAS-No.	Classification	Concentration (%)
PHENYLETHANOL	60-12-8	Acute Tox. 4; H302 Eye Irrit. 2A; H319	>=70.00 - < 90.00
1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY)	70445-33-9	Acute Tox. 4; H332 Eye Dam. 1; H318	>=10.00 - < 20.00

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 material safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.



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- | | |
|---|---|
| If inhaled | : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician. |
| 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.
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 | : Harmful if swallowed.
Causes serious eye damage.
Gastrointestinal discomfort
Extremely corrosive and destructive to tissue.
Rash
tearing
Blurred vision
Nausea
Itching |
| Notes to physician | : Treat symptomatically. |

SECTION 5. FIRE-FIGHTING 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 fire fighting | : Do not allow run-off from fire fighting to enter drains or water courses. |



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Hazardous combustion products : Carbon dioxide (CO₂)
Carbon monoxide

Specific extinguishing methods :

Standard procedure for chemical fires.

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.

Special protective equipment for fire-fighters : 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 vapors/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.

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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 : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter within the capabilities of the respirator/filter combination.
Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.

Hand protection

Material : butyl-rubber
Break through time : 480 min
Glove thickness : > 0.5 mm

Remarks : The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : Tightly fitting safety goggles
Eye wash bottle with pure water

Skin and body protection : Work uniform or laboratory coat.

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



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Physical state	: liquid
Color	: colorless, light yellow
Odor	: characteristic
Odor Threshold	: not determined
pH	: 5 - 7 Concentration: 10 g/l
Melting point/freezing point	: < 0 °F / < -18 °C
Boiling point/boiling range	: > 212 °F / > 100 °C
Flash point	: > 100 °C Method: ISO 2719
Evaporation rate	: not determined
Upper explosion limit	: Upper explosion limit Not applicable
Lower explosion limit	: not determined
Vapor pressure	: not determined
Relative vapor density	: not determined
Relative density	: No data available
Density	: 1.006 - 1.020 g/cm ³ (20 °C)
Solubility(ies)	
Water solubility	: 10 g/l (22 °C)
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: Not applicable
Thermal decomposition	: No data available

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Viscosity

Viscosity, dynamic : 16.4 mPa.s

Viscosity, kinematic : not determined

Flow time : < 15 s at 20 °C
Method: DIN 53211

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Surface tension : ca. 36.45 mN/m

Molecular weight : No data available

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 : Vapors may form explosive mixture with air.

Conditions to avoid : Protect from frost, heat and sunlight.

Incompatible materials : Oxidizing agents

Hazardous decomposition products : Carbon monoxide
Carbon dioxide (CO₂)**SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure : Inhalation
Eye contact
Skin contact
Ingestion**Acute toxicity**

Harmful if swallowed.

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Components:**PHENYLETHANOL:**

Acute oral toxicity : LD50 (Rat): 1,603 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 4.63 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: No adverse effect has been observed in acute
inhalation toxicity tests.

Acute dermal toxicity : LD50 (Rabbit): 2,535 mg/kg
Method: OECD Test Guideline 402

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Remarks: Information given is based on data obtained from
similar substances.

Acute inhalation toxicity : LC50 (Rat): 3.07 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Assessment: No adverse effect has been observed in acute
dermal toxicity tests.

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks: Extremely corrosive and destructive to tissue.

Components:**PHENYLETHANOL:**

Result: Slight, transient irritation

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

Species: Rabbit

Result: Slight, transient irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks: May cause irreversible eye damage.

Components:**PHENYLETHANOL:**

Species: Rabbit

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Result: Irritating to eyes.
Method: in vivo assay

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):
Species: Rabbit
Result: Corrosive
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:**PHENYLETHANOL:**

Test Type: Local lymph node assay
Species: Mouse
Assessment: Did not cause sensitization on laboratory animals.
Method: OECD Test Guideline 429

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):
Species: Guinea pig
Assessment: Does not cause skin sensitization.
Method: OECD Test Guideline 406

Germ cell mutagenicity
Not classified based on available information.

Components:**PHENYLETHANOL:**

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

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):
Genotoxicity in vitro : Test Type: Ames test
Test species: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test
Test species: Mouse (male and female)
Method: OECD Test Guideline 474
Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

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Components:**1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):**

Effects on fetal development : Species: Rat

Strain: Sprague-Dawley

Application Route: Oral

General Toxicity Maternal: NOAEL (No observed adverse
effect level): 800 mg/kg bw/day

Method: OECD Test Guideline 414

Species: Rat

Strain: Sprague-Dawley

Application Route: Oral

General Toxicity Maternal: NOAEL (No observed adverse
effect level): 50 mg/kg bw/day

Method: OECD Test Guideline 414

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity**Components:****PHENYLETHANOL:**

Species: Rat, male and female

NOAEL (No observed adverse effect level): 510 mg/kg

Application Route: Dermal

Exposure time: 90 d

Method: OECD Test Guideline 411

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

Species: Rat, male and female

No-observed-effect level: 100 mg/kg

Application Route: Oral

Exposure time: 28 d

Method: OECD Test Guideline 407

Aspiration toxicity

Not classified based on available information.

Further information**Product:**

Remarks: No data available

Carcinogenicity:**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.

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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.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Acute aquatic toxicity Category 2; Toxic to aquatic life.

Long-term (chronic) aquatic hazard : Not classified based on available information.

Components:

PHENYLETHANOL:

Toxicity to fish : (Leuciscus idus (Golden orfe)): > 214 - < 464 mg/l
Exposure time: 96 h
Test Type: static test
Method: DIN 38412

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 287 mg/l
Exposure time: 48 h
Test Type: static test
Method: Directive 67/548/EEC, Annex V, C.2.

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 1.3 g/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Method: DIN 38412

Toxicity to bacteria : NOEC (activated sludge): 100 mg/l
Method: OECD Test Guideline 209

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 60.2 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 78.3 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

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Toxicity to algae : IC50 (Desmodesmus subspicatus (green algae)): 48.3 mg/l
 Exposure time: 72 h
 Test Type: static test
 Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC: 1.5 mg/l
 Exposure time: 35 d
 Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 20 mg/l
 Exposure time: 21 d
 Method: OECD Test Guideline 211

Toxicity to bacteria : EC0: 560 mg/l
 Exposure time: 3 h
 Method: OECD Test Guideline 209

Ecotoxicology Assessment
 Short-term (acute) aquatic hazard : Harmful to aquatic life.

Long-term (chronic) aquatic hazard : Harmful to aquatic life with long lasting effects.

Persistence and degradability**Components:****PHENYLETHANOL:**

Biodegradability : Result: Readily biodegradable.
 Method: OECD Test Guideline 301B

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

Biodegradability : Result: Inherently biodegradable.
 Method: OECD Test Guideline 302B

No data available

Bioaccumulative potential**Components:****PHENYLETHANOL:**

Partition coefficient: n-octanol/water : log Pow: 1.36

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-octanol/water : log Pow: 2.53 (20 °C)

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No data available

Mobility in soil**Components:**

No data available

Other adverse effects

No data available

Product:

Additional ecological
 information

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

Components:**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

General advice

: 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 transport regulations****REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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CFR_RAIL_C

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

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Not dangerous goods

MX_DG

Not dangerous goods

TDG_INWT_C

Not dangerous goods

TDG_RAIL_C

Not dangerous goods

TDG_ROAD_C

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

U.S. DOT - ROAD

Not dangerous goods

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant

no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION**TSCA list**

No substances are subject to a Significant New Use Rule.

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

EPCRA - Emergency Planning and Community Right-to-Know

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CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

SARA 311/312 Hazards : Acute toxicity (any route of exposure)
Serious eye damage or eye irritation

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

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.

Pennsylvania Right To Know

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New Jersey Right To Know

PHENYLETHANOL	60-12-8
1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY)	70445-33-9

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.

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

TCSI	: On the inventory, or in compliance with the inventory
AIIC	: Not 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	: On the inventory, or in compliance with the inventory



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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	: Not in compliance with the inventory
TSCA	: This product is regulated under the United States Food and Drug Act (FDA).
TECI	: On the inventory, or in compliance with the 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)

Other regulations

US. Drug Enforcement Administration (DEA) Listed Precursor and Essential Chemicals (21 CFR 1310) Not applicable

SECTION 16. OTHER INFORMATION

Further information

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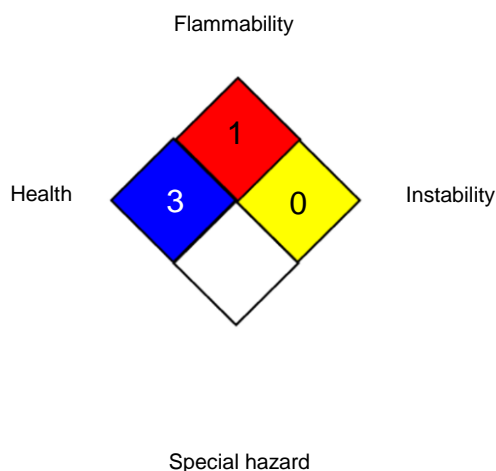
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NFPA 704:



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 H-Statements

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

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



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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 and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - 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

This sds has been prepared by Ashland. (<http://www.ashland.com>)

Sources of key data used to compile the Material Safety Data Sheet : Ashland internal data including own and sponsored test reports
 European Union Law with content from the Official Journal of the European Union.
 European Chemicals Agency; the EU authority implementing the EU's chemicals legislation for companies.
 The German Water Hazard Classes.
 ReachCentrum; a series of support services to help comply with REACH regulations.
 The European Commission; proposing legislation, administering and implementing EU policies, and enforcing EU law.
 The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.
 Cefic, the European Chemical Industry Council.
 ESIS European Chemical Substances Information System

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