

SAFETY DATA SHEET

PREVENTOL A 12-TK 50



Version 2.0 Revision Date: 04/15/2021 SDS Number: 203000007895 Date of last issue: 10/10/2020
Country / Language: US / EN

SECTION 1. IDENTIFICATION

Product name : PREVENTOL A 12-TK 50
Product code : 00000000057594772
EPA registration number : 39967-95

Manufacturer or supplier's details

Company : LANXESS Corporation
Product Safety & Regulatory Affairs
111 RIDC Park West Drive
15275-1112 Pittsburgh, United States of America

Responsible Department : +1800LANXESS

Emergency telephone : Chemtrec (800) 424-9300
International (703) 527-3887
Lanxess Emergency Phone (800) 410-3063

Recommended use of the chemical and restrictions on use

Recommended use : Biocide for industrial application

SECTION 2. HAZARDS IDENTIFICATION

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

Flammable liquids : Category 4
Acute toxicity (Oral) : Category 4
Eye irritation : Category 2A
Skin sensitization : Category 1
Reproductive toxicity : Category 1B
Specific target organ toxicity : Category 3 (Central nervous system)
- single exposure

GHS label elements

Hazard pictograms : The hazard pictograms consist of two red diamond-shaped symbols. The first symbol shows a black silhouette of a human figure with a white starburst on the chest, representing a health hazard. The second symbol is a black exclamation mark, representing a general hazard.

Signal Word : Danger

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	CAS-No.	Concentration (% w/w)
(2-methoxymethylethoxy)propanol (Mixture of isomers)	34590-94-8	>= 50 - < 70
1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole	60207-90-1	>= 50 - < 70

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

SECTION 4. FIRST AID MEASURES

- If inhaled : If inhaled, remove to fresh air.
Get medical attention if symptoms occur.
- In case of skin contact : Wash off with soap and water.
Remove contaminated clothing and shoes.
Continue to rinse for at least 20 minutes.
Get medical attention if symptoms occur.
Wash contaminated clothing before reuse.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Continue to rinse for at least 20 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical attention if symptoms appear.
- If swallowed : Rinse mouth with water.
Do not induce vomiting unless directed to do by medical personnel.
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
If unconscious, place in recovery position and get medical attention immediately.
Maintain open airway.

Most important symptoms and effects, both acute and delayed

- Symptoms : May cause irritation with symptoms of reddening and itching.
Eye: Causes irritation with symptoms of reddening, tearing, stinging, and swelling.
Skin: Causes irritation with symptoms of reddening, itching, and swelling.
Once sensitized, an allergic skin reaction may occur with reddening, swelling, and rash when subsequently exposed to very low levels.

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Effects : May cause Fetal effects.
: Harmful if swallowed.
: May cause an allergic skin reaction.
: Causes serious eye irritation.
: May cause drowsiness or dizziness.
: May damage the unborn child.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO₂.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards during fire fighting : Combustible liquid.
In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products : Carbon dioxide (CO₂)
Carbon monoxide
Nitrogen oxides (NO_x)
Halogenated compounds

Further information : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.
No action shall be taken involving any personal risk or without suitable training.
Use water spray to cool unopened containers.
Move containers from fire if this can be done without risk.
Fight fire from protected location or maximum possible distance.
If this is impossible, withdraw from area and allow fire to burn.

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 : No action shall be taken involving any personal risk or without suitable training.
Put on appropriate personal protection equipment.
Do not touch or walk through spilled material.
Evacuate personnel to safe areas.
Keep unnecessary and unprotected personnel from entering.
Provide adequate ventilation.
Do not breathe vapors/dust.
Remove all sources of ignition.

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- 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 : Stop leak if safe to do so.
Move containers from spill area.
Wash spillages into an effluent treatment plant or proceed as follows.
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Do not allow spilled material or wash water to enter sewers, surface waters, or groundwater systems.
Dispose of wastes in an approved waste disposal facility.
Use spark-proof tools and explosion-proof equipment.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Put on appropriate personal protection equipment.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Remove contaminated clothing and protective equipment before entering eating areas.
Workers should wash hands and face before eating, drinking and smoking.
Persons with a history of skin sensitization to this product should not be employed in any process in which this product is used.
Use non-sparking tools and equipment. Consult National Fire Protection Association (NFPA) 654 Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids for details on the safe handling and equipment design.
Keep away from flames and sparks.
- Conditions for safe storage : Keep container closed when not in use.
Store in accordance with local regulations.
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Do not store in unlabeled containers.
Use appropriate container to avoid environmental contamination.
Empty containers retain residue and can be dangerous.
Do not reuse container.
Keep away from heat and sources of ignition.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
(2-methoxymethylethoxy)propanol (Mixture of isomers)	34590-94-8	TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		TWA	100 ppm 600 mg/m ³	OSHA Z-1

Engineering measures : Use explosion-proof ventilating equipment.

Personal protective equipment

Respiratory protection : A NIOSH approved air purifying respirator with organic vapor cartridges and particulate prefilter can be used to minimize exposure.

Hand protection
Material : butyl-rubber

Eye protection : Tightly fitting safety goggles

Skin and body protection : Wear suitable protective clothing.

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

Physical state : liquid

Color : yellow to brown

Odor : slight, sweet

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Odor Threshold : No data available

pH : No data available

Melting point/range : No data available

Boiling point/boiling range : < 378 °F / < 192 °C
(1,013 hPa)

Flash point : 145 °F / 63 °C
Method: closed cup

Evaporation rate : No data available

Self-ignition : No data available

Burning number : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : 0.0000435 mmHg (77 °F / 25 °C)

Relative density : No data available

Density : 1.095 - 1.13 g/cm³ (68 °F / 20 °C)

Solubility(ies)
Water solubility : No data available
Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Decomposition temperature : No data available

Viscosity
Viscosity, dynamic : No data available
Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

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SECTION 10. STABILITY AND REACTIVITY

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

Chemical stability : The product is chemically stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Oxidizing agents

Hazardous decomposition products : No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

The most important known symptoms and effects are described in Section 2 and/or Section 4.

Information on likely routes of exposure

Inhalation
Eye contact
Skin contact
Ingestion

Acute toxicity

Harmful if swallowed.

Product:

Acute oral toxicity : LD50 (Rat): 500 - 2,000 mg/kg

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

Components:

(2-methoxymethylethoxy)propanol (Mixture of isomers):

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute inhalation toxicity : LC50 (Rat, male and female): > 1.667 mg/l
Exposure time: 7 h
Test atmosphere: vapor
Method: OECD Test Guideline 403
GLP: no
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Dosage caused no mortality

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Highest producible concentration.

Acute dermal toxicity : LD50 (Rabbit, male): 9,510 mg/kg
Method: OECD Test Guideline 402
GLP: no

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole:

Acute oral toxicity : LD50 (Rat): 1,517 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Highest producible concentration.

Acute dermal toxicity : LD50 (Rat): > 4,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

(2-methoxymethylethoxy)propanol (Mixture of isomers):

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

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole:

Remarks : Mild skin irritation
Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

(2-methoxymethylethoxy)propanol (Mixture of isomers):

Result : Irritating to eyes.

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole:

Remarks : Mild eye irritation
Based on available data, the classification criteria are not met.

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Test system: Chinese hamster fibroblasts
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: No information available.
Remarks: Test results on an analogous product

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole:

Genotoxicity in vitro : Test Type: Ames test
Test system: Bacteria
Method: OECD Test Guideline 471
Result: negative

Remarks: Not mutagenic in a standard battery of genetic toxicological tests.

Carcinogenicity

Not classified based on available information.

Components:

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole:

Remarks : Animal testing did not show any carcinogenic effects.

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

May damage the unborn child.

Components:

(2-methoxymethylethoxy)propanol (Mixture of isomers):

Effects on fertility : Species: Rat, male and female
Application Route: inhalation (vapor)
General Toxicity Parent: NOAEC: 300 ppm
General Toxicity F1: NOAEC: 1,000 ppm
General Toxicity F2: NOAEC: 1,000 ppm
Fertility: NOAEC Parent: 1,000 parts per million
Method: OECD Test Guideline 416
Result: Animal testing did not show any effects on fertility.
GLP: yes
Remarks: Test results on an analogous product

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Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat, female
Application Route: inhalation (vapor)
Dose: 50 - 150 - 300 parts per million
General Toxicity Maternal: NOAEC: 300 ppm
Developmental Toxicity: NOAEC: 300 ppm
Embryo-fetal toxicity.: NOAEC: 300 ppm
Result: No teratogenic effects.
GLP: yes

Test Type: Embryo-fetal development
Species: Rabbit, female
Application Route: inhalation (vapor)
Dose: 50 - 150 - 300 parts per million
General Toxicity Maternal: NOAEC: 300 ppm
Developmental Toxicity: NOAEC: 300 ppm
Embryo-fetal toxicity.: NOAEC: 300 ppm
Result: No teratogenic effects.
GLP: yes

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole:

Reproductive toxicity - Assessment : Clear evidence of adverse effects on development, based on animal experiments.

STOT-single exposure

May cause drowsiness or dizziness.

Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

Components:

(2-methoxymethylethoxy)propanol (Mixture of isomers):

Assessment : May cause drowsiness or dizziness., May cause respiratory irritation.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

(2-methoxymethylethoxy)propanol (Mixture of isomers):

Species : Rat, male and female
NOAEL : 1000 mg/kg

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Application Route : Oral
Exposure time : 28 d
Dose : 40 - 200 - 1000 mg/kg bw/d
GLP : yes
Remarks : Subacute toxicity

Species : Rat, male and female
NOAEL : $\geq 1212 \text{ mg/m}^3$
Application Route : Inhalation
Test atmosphere : vapor
Exposure time : 90 d
Dose : 91 - 303 - 1212 mg/m³
Method : OECD Test Guideline 413
GLP : yes
Remarks : Subchronic toxicity

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

(2-methoxymethylethoxy)propanol (Mixture of isomers):

Toxicity to fish : LC50 (Poecilia reticulata (guppy)): $> 1,000 \text{ mg/l}$
Exposure time: 96 h
Method: OECD Test Guideline 203
GLP: yes
Remarks: Fresh water

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): $1,919 \text{ mg/l}$
Exposure time: 48 h
Method: OECD Test Guideline 202
GLP: no
Remarks: Fresh water

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (algae)): $> 969 \text{ mg/l}$
End point: Growth rate
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
Remarks: Fresh water

NOEC (Pseudokirchneriella subcapitata (algae)): 969 mg/l
End point: Growth rate
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
Remarks: Fresh water

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): \geq 0.5 mg/l
End point: Reproduction
Exposure time: 21 d
Method: OECD Test Guideline 211
GLP: yes
Remarks: Fresh water

Toxicity to microorganisms : EC10 (Pseudomonas putida): 4,168 mg/l
End point: Growth rate
Exposure time: 18 h
GLP: yes

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4.3 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 10.2 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

EC50 (Mysidopsis bahia (opossum shrimp)): 0.51 mg/l
Exposure time: 96 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 0.76 mg/l
Exposure time: 72 h
Remarks: Fresh water

Persistence and degradability

Components:

(2-methoxymethylethoxy)propanol (Mixture of isomers):

Biodegradability : Result: Readily biodegradable.
Biodegradation: 75 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
GLP: yes

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole:

Biodegradability : Result: Not readily biodegradable.

Bioaccumulative potential

Components:

(2-methoxymethylethoxy)propanol (Mixture of isomers):

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water,

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accumulation in organisms is not expected.

Partition coefficient: n-octanol/water : log Pow: 0.004 (77 °F / 25 °C)
Method: OECD Test Guideline 107

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole:

Partition coefficient: n-octanol/water : log Pow: 3.72
Method: OECD Test Guideline 107

Mobility in soil

No data available

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.
Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No. : UN 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (PROPICONAZOLE)
Class : 9
Packing group : III
Labels : 9

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Packing instruction (cargo aircraft) : 964 : 450.00 L

Packing instruction (passenger aircraft) : 964 : 450.00 L

Environmentally hazardous : yes



IMDG-Code

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

Class : 9

Packing group : III

Labels : 9



EmS Code : F-A, S-F

Marine pollutant : yes



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

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number : NA 1993

Proper shipping name : Combustible liquid, n.o.s. (DIPROPYLENE GLYCOL METHYL ETHER)

Class : CBL

Packing group : III

Labels : COMB

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ERG Code : 128
Marine pollutant : no

If the quantity is in a non-bulk packaging (less than 119 gallons), this material ships as non-regulated unless the Combustible Liquid is a Hazardous Substance or a Hazardous Waste. (See 49 CFR 173.150(F)(2))

Hazard and Handling Notes.

Environmentally hazardous substance., Combustible., Has a slight odour., Keep separated from foodstuffs

Special precautions for user

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

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA 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 : Flammable (gases, aerosols, liquids, or solids)
Acute toxicity (any route of exposure)
Respiratory or skin sensitization
Reproductive toxicity
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:

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole 60207-90-1 >= 50 - < 70 %

US State Regulations

Massachusetts Right To Know

(2-methoxymethylethoxy)propanol (Mixture of isomers) 34590-94-8 >= 50 - < 70

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Pennsylvania Right To Know

(2-methoxymethylethoxy)propanol (Mixture of isomers)	34590-94-8	>= 50 - < 70
1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole	60207-90-1	>= 50 - < 70

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 Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

TSCA list

No substances are subject to a Significant New Use Rule.

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

FIFRA information

EPA registration number : 39967-95

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal Word : CAUTION

Hazard Statements : Causes moderate eye irritation. Harmful if swallowed, in contact with skin or if inhaled.

SECTION 16. OTHER INFORMATION

Further information

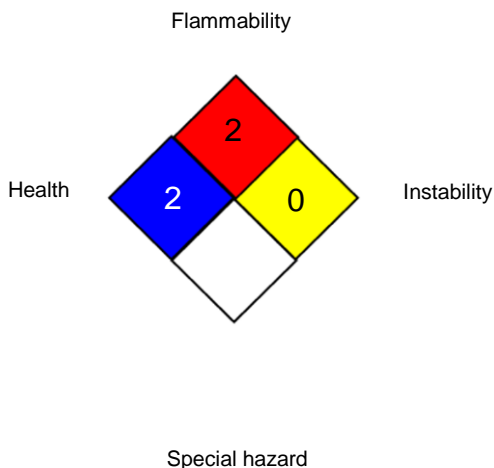
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NFPA 704:



HMIS® IV:

HEALTH	*	2
FLAMMABILITY		2
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

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA : 8-hour, time-weighted average
ACGIH / STEL : Short-term exposure limit
OSHA Z-1 / TWA : 8-hour time weighted average

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

SAFETY DATA SHEET



PREVENTOL A 12-TK 50

Version	Revision Date:	SDS Number:	Date of last issue: 10/10/2020
2.0	04/15/2021	203000007895	Country / Language: US / EN

lative 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; 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 : 04/15/2021

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.