

SunPac Mildewcide

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Date of issue: 3/18/2015

Revision date: 3/18/2015

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : SunPac Mildewcide
Product code : Not available

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

Use of the substance/mixture : Mildewcide

1.3. Details of the supplier of the safety data sheet

Profexall Products, Inc.
73356 Highway 41
Pearl River, LA 70452 - USA
T (386) 668-5225

1.4. Emergency telephone number

Emergency number : 1-800-458-2699

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable solids (Category 2), H228
Acute toxicity, Oral (Category 4), H302
Acute toxicity, Inhalation (Category 4), H332
Skin irritation (Category 2), H315
Serious eye damage (Category 1), H318
Skin sensitisation (Category 1), H317
Carcinogenicity (Category 2), H351
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
Acute aquatic toxicity (Category 3), H402
Chronic aquatic toxicity (Category 3), H412

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H228 Flammable solid.
H302 + H332 Harmful if swallowed or if inhaled
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS-US)

: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

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P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician.
P321 Specific treatment (see supplemental first aid instructions on this label).
P330 Rinse mouth.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3. Other hazards

Combustible dust.

SECTION 3: Composition/information on ingredients

3.1. Substance

Synonyms : Polyoxymethylene

Formula : $\text{HO}(\text{CH}_2\text{O})_n\text{H}$

Molecular weight : 30.03 g/mol

Name	Product identifier	%	GHS-US classification
Paraformaldehyde	(CAS) 30525-89-4	90 - 100	Flam. Sol. 2; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; Skin Sens. 1; Carc. 2; STOT SE 3; Aquatic Acute 3; Aquatic Chronic 3; H228, H302 + H332, H315, H317, H318, H335, H351, H412

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
First-aid measures after inhalation : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
First-aid measures after skin contact : Wash off with soap and plenty of water. Consult a physician
First-aid measures after eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media : Carbon oxides

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5.2. Special hazards arising from the substance or mixture

Further information : Use water spray to cool unopened containers.

5.3. Advice for firefighters

Protection during firefighting : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

6.4. Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed in a dry and well-ventilated place.

Storage conditions : Keep out of the reach of children. Recommended storage temperature 2 - 8 °C

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Paraformaldehyde	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Hand protection : Wear chemically resistant protective gloves.

Eye/face protection : Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection : Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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Respiratory protection	: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Environmental exposure controls	: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Form: crystalline
Colour	: No data available
Odour	: pungent
Odour threshold	: No data available
pH	: 4.0 - 5.5
Melting point/freezing point	: Melting point/range: 120 - 170 °C (248 - 338 °F) - lit
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 70 °C (158 °F) - closed cup
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: May form combustible dust concentrations in air
Vapour pressure	: No data available
Relative vapour density at 25 °C	: 0.88 g/cm ³ at 25 °C (77 °F)
Relative density	: No data available
Water Solubility	: Insoluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Bulk density 500 - 800 kg/m³

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Exposure to moisture. Heat, flames and sparks. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Brass, Steel (all types and surface treatments), Copper, Acid anhydrides, Strong oxidizing agents, Strong reducing agents.

10.6. Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified.
LD50 oral rat	: 592 mg/kg
LD50 dermal rabbit	: 10,000 mg/kg
LC50 inhalation rat	: 1070 mg/m ³ /4h Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Lungs, Thorax, or Respiration:Dyspnea
Skin corrosion/irritation	: No data available
Serious eye damage/irritation	: Eyes - Rabbit Result: Severe eye irritation
Respiratory or skin sensitisation	: No data available
Germ cell mutagenicity	: No data available
Carcinogenicity	: Formaldehyde, the decomposition product of paraformaldehyde, has been listed as a carcinogen by NTP and IARC. Limited evidence of carcinogenicity in animal studies
IARC group	: 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 group	: 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.
National Toxicology Program (NTP) Status	: 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.
OSHA	: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	: No data available
Specific target organ toxicity (single exposure)	: Inhalation - May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: No data available.
Aspiration hazard	: No data available
Additional Information	: RTECS: RV0540000 May cause permanent eye injury. Liver - Irregularities - Based on Human Evidence

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to daphnia and other aquatic invertebrates	: EC50 - Daphnia magna (Water flea) - 42 mg/l - 24 h
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12.2. Persistence and degradability

Persistence and degradability	No data available. Ratio BOD/ThBOD 37 %
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12.3. Bioaccumulative potential

Bioaccumulative potential	No data available
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12.4. Mobility in soil

Mobility in soil	No data available
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12.5. Other adverse effects

Other adverse effects	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging	: Dispose of as unused product.

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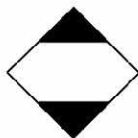
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SECTION 14: Transport information

In accordance with DOT

UN-No.(DOT) : UN: 2213
Proper Shipping Name (DOT) : Paraformaldehyde, Limited Qty
Department of Transportation (DOT) Hazard Classes : 4.1
Hazard labels (DOT) :



SECTION 15: Regulatory information

SARA 302 : 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 : 313 Components 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.
SARA 311/312 : Hazards Fire Hazard, Acute Health Hazard, Chronic Health Hazard
Massachusetts Right To Know Components : Paraformaldehyde CAS-No. 30525-89-4 Revision Date 2007-03-01
Pennsylvania Right To Know Components : Paraformaldehyde CAS-No. 30525-89-4 Revision Date 2007-03-01
New Jersey Right To Know Components : Paraformaldehyde CAS-No. 30525-89-4 Revision Date 2007-03-01
California Prop. 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox. : Acute toxicity
Aquatic Acute : Acute aquatic toxicity
Aquatic Chronic : Chronic aquatic toxicity
Carc. : Carcinogenicity
Eye Dam. : Serious eye damage
Flam. Sol. : Flammable solids
H228 : Flammable solid.
H302 : Harmful if swallowed.
H302 + H332 : Harmful if swallowed or if inhaled
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H332 : Harmful if inhaled.
H335 : May cause respiratory irritation.
HMIS Rating : Health hazard: 2 Chronic Health Hazard: * Flammability: 2 Physical Hazard 2
NFPA Rating : Health hazard: 2 Fire Hazard: 2 Reactivity Hazard: 2
Indication of changes : None.
Date of issue : 3/18/2015
Other information : None.

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