

SAFETY DATA SHEET

WDS WOOD & DECK STAINSTRIPPER

SDS DATE: 5/29/20

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification

Product form Mixture
Product name Messmer's Wood & Deck Stainstripper
Product code WDS

1.2 Recommended use and restrictions on use

Use of the substance / mixture Paint or paint related material
Recommended use Exterior use, for removing wood stains
Restrictions on use Not recommended for use indoors

1.3 Manufacturer

Messmer's Inc.
9500 S Hawley Park Rd
West Jordan, UT 84081
801-569-2426

1.4 Emergency telephone number

Emergency number CHEMTREC: 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS-US classification

Skin corrosion/irritation H314 Causes severe skin burns and eye damage
Category 1B

Serious eye damage/eye H318 Causes serious eye damage
Irritation Category 1

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labeling



Hazard pictograms (GHS-US) :

GHS05

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS-US) :

P260 - Do not breathe mist, vapors, spray.

P264 - Wash exposed skin thoroughly after handling.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

P363 - Wash contaminated clothing before reuse.

P405 - Store locked up.

P501 - Dispose of contents/container to comply with local, state and federal regulations.

If inhaled: Remove person to fresh air and keep comfortable for breathing

2.3. Other hazards which do not result in classification

Other hazards not contributing to the Classification None.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier (CAS-No.)	%	GHS-US classification
Water	7732-18-5	90	Not classified
Potassium Hydroxide	(CAS-No.) 1310-58-3	10	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Aquatic Acute 3, H402

Full text of hazard classes and H-statements : see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

- First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
- First-aid measures after skin contact:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.
- First-aid measures after eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
- First-aid measures after ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects:** Causes severe skin burns and eye damage.
- Symptoms/effects after eye contact:** Causes serious eye damage.

4.3. Immediate medical attention and special treatment, if necessary

Obtain medical assistance.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media:** Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

- Reactivity:** Thermal decomposition generates : Corrosive vapors.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Safety glasses. Protective clothing. Gloves. Face-shield.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray.

Hygiene measures: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep only in the original container in a cool, well ventilated place away from incompatible materials. Keep container closed when not in use.

Incompatible products: Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Potassium Hydroxide (1310-58-3)
ACGIH ACGIH Ceiling (mg/m³) 2 mg/m³ (Potassium hydroxide; USA; Momentary value; TLV - Adopted Value)

NIOSH NIOSH REL (ceiling) (ppm) 2 ppm

Water (7732-18-5)
Not applicable

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8.2. Appropriate engineering controls

Appropriate engineering controls:

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure exposure is below occupational exposure limits (where available).

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Hand protection:

Eye protection:

Skin and body protection:

Respiratory protection:

Other information:

Chemical resistant apron. Face shield. Gloves. Safety glasses. Protective clothing.

Wear protective gloves.

Chemical goggles or face shield

Wear suitable protective clothing

Respiratory protection not required in normal conditions

Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Color:

Colorless

Odor:

None

Odor threshold:

No data available

pH:

≥ 14

Melting point:

No data available

Freezing point:

No data available

Boiling point:

No data available

Flash point:

No data available

Relative evaporation rate (butyl acetate=1):

No data available

Flammability (solid, gas):

Non flammable.

Vapor pressure:

No data available

Relative vapor density at 20 °C:

No data available

Relative density:

No data available

Specific gravity / density:

1.08 g/ml

Solubility:

Soluble in water.

Log Pow:

No data available

Auto-ignition temperature:

No data available

Decomposition temperature:

No data available

Viscosity, kinematic:

No data available

Viscosity, dynamic:

No data available

Explosion limits:

No data available

Explosive properties:

No data available

Oxidizing properties:

No data available

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Thermal decomposition generates:

Corrosive vapors.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reacts violently with acids.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

Potassium oxide. Thermal decomposition generates:

Corrosive vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Likely routes of exposure:

Skin and eye contact

Acute toxicity:

Not classified

Potassium Hydroxide, 10% w/v

LD50 oral rat

2967 mg/kg

ATE US (oral)

2967 mg/kg body weight

Potassium Hydroxide (1310-58-3)

LD50 oral rat

333 mg/kg (Rat; Equivalent or similar to OECD 425; Experimental value)

ATE US (oral)

333 mg/kg body weight

Water (7732-18-5)

LD50 oral rat

≥ 90000 mg/kg

ATE US (oral)

90000 mg/kg body weight

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

pH: ≥ 14

Serious eye damage/irritation:

Causes serious eye damage.

pH: ≥ 14

Respiratory or skin sensitization:

Not classified

Germ cell mutagenicity:

Not classified

Carcinogenicity:

Not classified

Reproductive toxicity:

Not classified

Specific target organ toxicity – single exposure:

Not classified

Specific target organ toxicity – repeated exposure:

Not classified

Aspiration hazard:

Not classified

Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

Symptoms/effects after eye contact:

Causes serious eye damage.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Potassium Hydroxide, 10% w/v

LC50 fish 1

870 mg/l

Potassium Hydroxide (1310-58-3)

LC50 fish 2

80 mg/l (LC50; 96 h; Gambusia affinis; Static system; Fresh water)

12.2. Persistence and degradability

Potassium Hydroxide, 10% w/v

Persistence and degradability

Not established.

Potassium Hydroxide (1310-58-3)

Persistence and degradability

Biodegradability: not applicable.

Biochemical oxygen demand (BOD)

Not applicable

Chemical oxygen demand (COD)

Not applicable

ThOD

Not applicable

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Water (7732-18-5)
Persistence and degradability Not established.

12.3. Bioaccumulative potential
Potassium Hydroxide, 10% w/v
Bioaccumulative potential Not established.

Potassium Hydroxide (1310-58-3)
Bioaccumulative potential Bioaccumulation: not applicable.

Water (7732-18-5)
Bioaccumulative potential Not established.

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Other information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Disposal methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.

Ecology - waste materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

Department of Transportation (DOT)
In accordance with DOT

Transport document description: UN1814 Potassium hydroxide, solution, 8, II
UN-No.(DOT): UN1814

Proper Shipping Name (DOT): Potassium hydroxide, solution
Transport hazard class(es) (DOT): 8 - Class 8 - Corrosive material 49 CFR 173.136
Packing group (DOT): II - Medium Danger
Hazard labels (DOT): 8 - Corrosive

DOT Packaging Non Bulk (49 CFR 173.xxx): 202
DOT Packaging Bulk (49 CFR 173.xxx): 242
DOT Special Provisions (49 CFR 172.102): B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3) TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

DOT Packaging Exceptions (49 CFR 173.xxx): 154

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) 1 L

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DOT Quantity Limitations Cargo aircraft only 30 L
(49 CFR 175.75)

: DOT Vessel Stowage Location: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

DOT Vessel Stowage Other: 52 - Stow "separated from" acids
Other information: No supplementary information available.

SECTION 15: REGULATORY INFORMATION

15.1. US Federal regulations

Potassium Hydroxide, 10% w/v

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Potassium Hydroxide (1310-58-3)

RQ (Reportable quantity, section 304 of EPA's 1000 lb
List of Lists)

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: OTHER INFORMATION

Revision date: 05/29/20

Other information: None.

Full text of H-phrases: see section 16:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H402	Harmful to aquatic life

NFPA health hazard: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity: 0 - Material that in themselves are normally stable, even under fire conditions.

Hazard Rating

Health: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability: 0 Minimal Hazard - Materials that will not burn

Physical: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection:

H

H - Splash goggles, Gloves, Synthetic apron, Vapor respirator

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DISCLAIMER:

Information is subject to change.

In lieu of all warranties, expressed or implied, the manufacturer and sellers only obligation shall be to replace such quantity of this product as is proven to be defective. Seller and manufacturer shall not be liable for loss or damage connected with the use and/or handling of this product. User should determine suitability of this product for the intended use before applying it. User assumes all risk and liability in connection therewith.