# **Material Safety Data Sheet**

**EC** LAB

MAXX FLOOR FINISH REMOVER

# 1. Product and company identification

Trade name of product : MAXX FLOOR FINISH REMOVER

**Product use** : Floor Stripper

Product dilution information: Up to 1:8 in water

Supplier's information : Ecolab Inc. Institutional Division

370 N. Wabasha Street St. Paul, MN 55102 1-800-352-5326

**Code** : 912544-05 **Date of issue** : **09-March-2011** 

EMERGENCY HEALTH INFORMATION: 1-800-328-0026 Outside United States and Canada CALL 1-651-222-5352 (in USA)

### 2. Hazards identification

**Product AS SOLD** 

Physical state : Liquid.

Emergency : DANGER!

overview

CAUSES DIGESTIVE TRACT, EYE AND SKIN

BURNS.

CAUSES RESPIRATORY TRACT IRRITATION.

MAY BE HARMFUL IF SWALLOWED.

Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

**Product AS SOLD** 

Eyes : Corrosive to eyes.

Skin : Corrosive to the skin.

**Inhalation**: Severely irritating to the respiratory system.

**Ingestion**: Causes burns to mouth, throat and stomach. May be

harmful if swallowed.

See toxicological information (section 11)

**Product AT USE DILUTION** 

Liquid. CAUTION!

MAY CAUSE EYE AND SKIN IRRITATION.

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

#### **Product AT USE DILUTION**

Moderately irritating to eyes.

Moderately irritating to the skin.

Slightly irritating to the respiratory system.

No known significant effects or critical

hazards.

# 3. Composition/information on ingredients

### **Product AS SOLD**

<u>Name</u>	CAS number	% by weight
2-hexyloxyethanol	112-25-4	11
POTASSIUM HYDROXIDE	1310-58-3	4
BENZYL ALCOHOL	100-51-6	20 - 50
ETHANOLAMINE	141-43-5	5 - 20
POTASSIUM OLEATE	143-18-0	5 - 20

Product AT USE DILUTION		
<u>Name</u>	CAS number	% by weight
2-hexyloxyethanol	112-25-4	1
BENZYL ALCOHOL	100-51-6	1 - 5
ETHANOLAMINE	141-43-5	1 - 5
POTASSIUM OLEATE	143-18-0	1 - 5

#### Composition/information on ingredients 3.

#### First aid measures 4.

#### **Product AS SOLD**

Eye contact : In case of contact, immediately flush eyes with cool

running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes.

Get medical attention immediately.

Skin contact : In case of contact, immediately flush skin with plenty

of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse.

Clean shoes thoroughly before reuse.

Inhalation : If inhaled, remove to fresh air. If exposed person is

not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention.

If material has been swallowed and the exposed Ingestion

person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical

attention immediately.

### **Product AT USE DILUTION**

In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.

No special measures required. Treat symptomatically.

Get medical attention if symptoms occur.

#### 5. Fire-fighting measures

#### **Product AS SOLD**

Hazardous thermal decomposition products : Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides

Fire-fighting media and

instructions

: Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff.

In a fire or if heated, a pressure increase will occur and the container may burst.

Special protective equipment

for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### 6. Accidental release measures

### **Personal** precautions

#### **Product AS SOLD**

: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.

**Environmental** precautions

: Avoid contact of spilled material and runoff with soil

and surface waterways.

### Methods for cleaning up

: Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a water rinse for final clean-up.

#### **Product AT USE DILUTION**

Use personal protective equipment as required.

Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Use a water rinse for final clean-up.

#### 7. Handling and storage

**Product AS SOLD** 

Handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray. Keep container closed. Use only with adequate ventilation.

Wash thoroughly after handling.

**Storage** : Keep out of reach of children. Store in a closed

container. Keep container tightly closed.

Store between the following temperatures: 0 and 50°C

#### **Product AT USE DILUTION**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Keep out of reach of children. Store in a

closed container.

#### 8. **Exposure controls/personal protection**

#### **Product AS SOLD**

### **Engineering** measures

: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

#### Personal protection

: Use chemical splash goggles. For continued or severe **Eyes** 

exposure wear a face shield over the goggles.

Hands : Use chemical-resistant, impervious gloves.

Skin : Use synthetic apron, other protective equipment as

necessary to prevent skin contact.

Respiratory : Wear appropriate respirator when ventilation is

inadequate and occupational exposure limits are

exceeded.

#### Product AT USE DILUTION

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Safety eyewear should be used when there is a likelihood of exposure.

For prolonged or repeated handling, use the following type of gloves: Impervious gloves.

No protective equipment is needed under normal use conditions.

No special protection is required.

Product AT USE DILUTION

Liquid. > 100°C

Amine-like

12 to 13

Hazy liquid [Light]

Ingredient **Exposure limits ETHANOLAMINE** ACGIH TLV (United States, 2/2010). STEL: 15 mg/m<sup>3</sup> 15 minute(s). STEL: 6 ppm 15 minute(s). TWA: 7.5 mg/m<sup>3</sup> 8 hour(s). TWA: 3 ppm 8 hour(s). OSHA PEL (United States, 6/2010). TWA: 6 mg/m<sup>3</sup> 8 hour(s). TWA: 3 ppm 8 hour(s). POTASSIUM HYDROXIDE ACGIH TLV (United States, 2/2010). C: 2 mg/m3

#### 9. Physical and chemical properties

**Product AS SOLD** 

**Physical state** : Liquid.

Flash point : 93 °C (Closed cup) Color : Amber [Light] Odor : Amine-like

: 14 [Conc. (% w/w): 100%]

Boiling/condensation :  $>100^{\circ}C (>212^{\circ}F)$ 

point

Relative density: 1.046

Dispersibility

: Easily dispersible in the following materials: cold water

properties and hot water.

# 9. Physical and chemical properties

Solubility

 Easily soluble in the following materials: cold water and hot water.

# 10. Stability and reactivity

**Product AS SOLD** 

**Stability** 

Reactivity

: The product is stable. Under normal conditions of storage and use, hazardous

polymerization will not occur.

Hazardous decomposition products

Reactive or incompatible with the following materials: metals.

: Under normal conditions of storage and use, hazardous decomposition products should

Highly reactive or incompatible with the following materials: acids.

not be produced.

**Hazardous polymerization** 

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

# 11. Toxicological information

#### Potential acute health effects

**Product AS SOLD** 

Eyes : Corrosive to eyes.

Skin : Corrosive to the skin.

**Inhalation**: Severely irritating to the respiratory system.

**Ingestion**: Causes burns to mouth, throat and stomach. May be

harmful if swallowed.

### **Product AT USE DILUTION**

Moderately irritating to eyes. Moderately irritating to the skin.

Slightly irritating to the respiratory system. No known significant effects or critical hazards.

Product AS SOLD
Other adverse effects

**Target organs** 

: Contains material which causes damage to the following organs: kidneys, liver. Contains material which may cause damage to the following organs: lungs, upper respiratory tract, central nervous system (CNS).

# 12. Ecological information

**Ecotoxicity**: Not reported

# 13. Disposal considerations

**Product AS SOLD** 

Waste disposal : Avoid disposal. Attempt to use product completely in

accordance with intended use. Disposal should be in accordance with applicable regional, national and local

laws and regulations.

RCRA : Unused product is D002 (Corrosive)

classification

# 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

**Product AS SOLD** 

DOT Classification UN1719

**DOT Proper shipping name**Caustic alkali liquids, n.o.s. (potassium hydroxide, 2-aminoethanol)

Class

Packing group ||

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

#### **Transport information** 14.

### **Product AT USE DILUTION**

Not intended for transport.

#### **15**. Regulatory information

**Product AS SOLD** 

**HCS** : Corrosive material Classification Target organ effects

**Product AS SOLD** 

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance SARA 302/304 emergency planning and notification: No listed substance

**SARA 313 Product name CAS** number **Concentration** 112-25-4 10.956 - 11.18

Form R - Reporting requirements

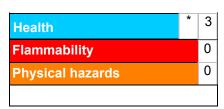
California Prop. 65 : No listed substance

: 2-hexyloxyethanol

### 16. Other information

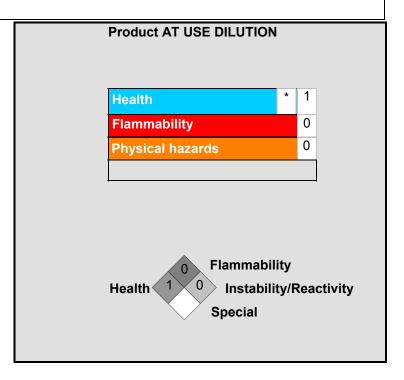
### **Product AS SOLD**

**Hazardous Material** Information System (U.S.A.)



**National Fire Protection** Association (U.S.A.)





**Product AT USE DILUTION** 

Irritating material Target organ effects

Date of issue : 09-March-2011 Responsible name : Regulatory Affairs 1-800-352-5326

Indicates information that has changed from previously issued version.

Notice to reader

### 16. Other information

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.