

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

1.1. Product Identifier

Product Form : Mixture
Product Name : Industrial Floor Cleaner
Product Code : 080000022
Type of Product : Cleaning Chemical
Product Group : Cleaning Product

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

1.2.1. Relevant identified Uses

Main use category : Professional Use
Industrial/Professional use spec : For professional use only

1.2.2. Use advised against

No additional information is available

1.3. Details of the supplier of the safety data sheet

PATSA Pakistan (Pvt.) Ltd.
Steel House, West Wharf Road,
Karachi, 74000, Pakistan
T: +92 0330 8694794
info@patsaonline.net www.patsaonline.net

1.4. Emergency telephone number

| Country | Organization/Company | Address | Emergency Number | Comment |
|---------|----------------------|---------|------------------|---------|
| N/A | N/A | N/A | N/A | N/A |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixture: SDS < 2015: Show CLP information only

Corrosive to metals, Category 1 H290
Acute toxicity (oral), Category 4 H302
Skin corrosion/irritation, Category 1 H314

Adverse physicochemical, human health and environmental effects

No additional information is available.

For full text of H-phrases see section 16.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP)



GHS05

GHS07

Single word (CLP)

: Danger.

Hazard statements (CLP)

: H290 - May be corrosive to metals.
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage

Precautionary Statements (CLP)

: P234 - Keep only in original container.
P264 - Wash hands thoroughly after handling.
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): 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.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other Hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixture

| Name | Product Identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------|---------------------|----------|---|
| Potassium hydroxide | (CAS No.) 1310-58-3 | 5.0-15.0 | Met. Corr. 1, H290 Acute tox. 4, H302 Skin Corr. 1A, H314 |
| Octanoic acid | (CAS No.) 124-07-2 | <5.0 | Skin Corr. 1B, H314 Aquatic Chronic 3, H412 |
| Phenoxyethanol | (CAS No.) 122-99-6 | <5.0 | Acute tox. 4, H302 Eye Irrit. 2, H319 |

Full Text of H-statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | : Remove contaminated clothing, rinse skin with plenty of water and immediately seek medical advice. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rise mouth with water. Do NOT induce vomiting. Get medical advice/attention. |

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

| | |
|--------------------------------------|--|
| Symptoms/injuries | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/injuries after inhalation | : Headache, dizziness, nausea, drowsiness, unconsciousness. |
| Symptoms/injuries after skin contact | : Caustic, redness, pain, serious burns. |
| Symptoms/injuries after eye contact | : Caustic, redness, bad looking, pain. |
| Symptoms/injuries after ingestion | : Caustic, lack of breath, vomiting, blisters on lips and tongue, burning pain in mouth and throat, gullet and stomach |

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

No additional information is available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Water spray, Powder, Foam, CO ₂ |
| Unsuitable extinguishing media | : None. |

5.2. Special hazards as arising from the substance or mixture

| | |
|-------------|---------|
| Fire hazard | : None. |
|-------------|---------|

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Explosion hazard | : None. |
| Reactivity | : Upon combustion: CO and CO ₂ are formed. |
| Firefighting instructions | : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous fighting water. |
| Protection during firefighting | : Do not enter the fire area without proper protective equipment, including respiratory protection. |
| Other information | : None known. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|--|
| General measures | : Isolate from fire, if possible, with unnecessary risk. |
|------------------|--|

6.1.1. For non-emergency personnel

| | |
|----------------------|---|
| Protective equipment | : Protective goggles. Gloves. Protective clothing. |
| Emergency procedures | : Evacuate unnecessary personnel. Avoid contact with skin eyes and clothing. Ventilate spillage area. |

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Equip the cleanup crew with proper protection. |
| Emergency procedures | : Stop leaks if safe to do so. Stop release. Ventilate area. |

6.2. Environmental precautions

Prevent entry to sewers and public.

6.3. Methods and material for containment and cleaning up

For containment : Contain released substance, pump into suitable containers.
Methods for cleaning up : The material and its container must be disposed of in a safe way, and as per local legislation.
Other information : Absorb the product onto porous material.

6.4. Reference to other sections

See headings 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not get in eyes. Handle and open the container with care.
Hygiene measures : Wash 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 away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible products : Oxidizing agent. Strong acids.
Incompatible materials : Acids.
Storage area : Meet the legal requirements. Store in a cool area. Store in a well-ventilated place.
Special rules on packaging : Meet the legal requirements.

SECTION 8: Exposure controls/ personal protection

8.1. Control parameters

Potassium Hydroxide (CAS No.) 1310-58-3

| | | |
|----|----|--|
| /. | /. | TLV value is known: 2 mg/m ³ |
|----|----|--|

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information is available.

8.2.2 Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses. Protective coating.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Nitrile rubber gloves. Breakthrough time: > 480 Min, (EN 374). Layer thickness: 0,35 mm. Always wash your hands after handling the product

8.2.2.3. Respiratory protection

Respiratory protection:

Ensure adequate air ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Universal mask (ABEK)

8.2.2.4. Thermal hazards

No additional information is available.

8.2.3. Environmental exposure controls

No additional information is available.

SECTION 9: Physical and chemical properties

9.1. Information

Physical state : Liquid.
Colour : /.
Odour : Characteristic.
Odour threshold : No data available.
pH : 13.6 @ 20°C
pH solution : /.
Relative evaporation rate (butylacetate=1) : No data available.
Melting point : No data available.
Freezing point : No data available.
Boiling point : 100°C

| | |
|---|--------------------------------|
| Flashpoint | : /. |
| Auto-ignition temperature | : 200 °C |
| Decomposition temperature | : No data available. |
| Flammability (solid, gas) | : Not applicable. |
| Vapour pressure | : 2332 Pa @ 20°C. |
| Relative vapour density at 20 °C | : No data available. |
| Relative density | : No data available. |
| Density | : 1.197 kg/l @ 20°C |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available. |
| Viscosity, kinematic | : 1 mm ² /s @ 20°C. |
| Viscosity, dynamic | : 1 mPa.s. @ 20°C |
| Explosive properties | : Not applicable. |
| Oxidising properties | : Not applicable. |
| Lower explosive limit (LEL) | : Not applicable. |
| Upper explosive limit (UEL) | : Not applicable. |

9.1. Information

Voce content : 111.869 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability

Extremely high or low temperatures.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

10.5. Incompatible materials

Keep away from (strong) acids. Oxidizing agents. Reducing Agents

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effect

| | |
|-----------------------------|--|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Additional information | : See Heading 3 (information on ingredients) |

Potassium Hydroxide (CAS No.) 1310-58-3

| | |
|----------------------------|--------------|
| LD50 oral rat | 356 mg/kg |
| LD50 dermal rabbit | ≥5,000 mg/kg |
| LC50 inhalation rat (mg/l) | ≥50 mg/l/4h |

Octanoic acid (CAS No.) 124-07-2

| | |
|----------------------------|--------------|
| LD50 oral rat | ≥5,000 mg/kg |
| LD50 dermal rabbit | ≥5,000 mg/kg |
| LC50 inhalation rat (mg/l) | ≥50 mg/l/4h |

Phenoxyethanol (CAS No.) 122-99-6

| | |
|----------------------------|--------------|
| LD50 oral rat | 500 mg/kg |
| LD50 dermal rabbit | ≥5,000 mg/kg |
| LC50 inhalation rat (mg/l) | ≥50 mg/l/4h |

| | |
|-----------------------------------|----------------------------|
| Skin corrosion/irritation | : Not classified pH: /. |
| Serious eye damage/irritation | : Not classified pH: /. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

SECTION 12: Ecological information

12.1. Toxicity

Ecology – general : No data available.
Acute aquatic toxicity : No data available.
Chronic aquatic toxicity : No data available.

12.2. Persistence and degradability

| Industrial Floor Cleaner | |
|-------------------------------|---|
| Persistence and degradability | This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. |

12.3. Bioaccumulative potential

| Industrial Floor Cleaner | |
|---------------------------|---|
| Bioaccumulative potential | No supplementary information available. |

12.4. Mobility in soil

| Linear Alcohol Ethoxylate (CAS No.) 68439-50-9 | |
|--|---|
| Mobility in soil | WGK 1 |
| Ecology - soil | No supplementary information available. |

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

Additional information : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Comply with local regulations for disposal.
Waste treatment methods : Dispose of at a licensed site. The product may be discharged in the indicated percentages of utilization, provided it is neutralised to pH 7.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR

14.1. UN number

UN-No. (ADR) : 1719

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Caustic alkali liquid, n.o.s.
Transport document description (ADR) : UN 1719 Caustic alkali liquid, n.o.s. (mixture with Potassium hydroxide) , 8, II, (E)

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : 8
Danger labels (ADR) : 8
:



14.4. Packing Group

Packaging group (ADR) : II

14.5. Environmental hazards

Dangerous for the environment : Not classified
Other information : Not classified

14.6. Special precautions for user

Special transport precautions : Fire hazard, Danger of explosion, Heating may cause an explosion, This product contains hazardous components for the aquatic environment, Do not allow to enter drains or water courses.

- **Overland transport**

Hazard identification number (Kemler No.) : 80
Orange plates :



Tunnel restriction code (ADR) : E

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No data available.

15.1.1. National Regulations

No data available.

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H- and EUH- statements:

| | |
|----------------|--|
| Met. Corr., 1 | Corrosive to metal, Category 1 |
| Acute tox., 4 | Acute toxicity (oral), Category 4 |
| Skin Corr., 1A | Skin corrosion/irritation, Category 1A |
| Skin Corr., 1B | Skin corrosion/irritation, Category 1B |
| Eye Irrit., 2 | Serious eye damage/eye irritation, Category 2 |
| Aqua Chron., 3 | Hazardous to the aquatic environment, long-term hazard, Category 3 |
| H290 | May be corrosive to metals. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects |
| P234 | Keep only in original container. |
| P264 | Wash hands thoroughly after handling. |
| P301+P330+P331 | IF SWALLOWED: rinse mouth. Do NOT induce vomiting. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P501: | Dispose of contents/container in accordance with local/regional/national/international regulations. |

Safety Data Sheet (MSDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not, therefore, be construed as guaranteeing any specific property of the product.