

SAFETY DATA SHEET

ALL PURPOSE DESCALER

UNICARE (CHEMICALS) LTD

1 Identification

GHS Product Identifier

ALL PURPOSE DESCALER

Other means of identification

ALL PURPOSE DESCALER

Recommended use of the chemical and restriction on use

Professional use.

Supplier's details

Unicare (Chemicals) Ltd
P.O.Box 54088,
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email: team@unicaregroup.com

Emergency phone number

1401

2 Hazard(s) identification

Classification of the substance or mixture

Acute toxicity: Category 4
Skin corrosion/irritation : Category 1
Serious eye damage/eye irritation : Category 1

GHS label elements

Danger



Harmful if swallowed
Causes serious eye damage
Causes severe skin burns and eye damage
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Do not breathe dust/fume/gas/mist/vapours /spray.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container to local/national/international regulations

3. Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Phosphoric Acid	7664-38-2		20 - 30	Skin Corr. 1B, H314
MARLIPAL 31-985	68439-54-3		<1	

4. First-aid measures

Description of necessary 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 : Allow victim to breathe fresh air. Allow the victim to rest. 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.

Most important symptoms/effects, acute and delayed

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after eye contact : Causes serious eye damage.

Indication of immediate medical attention and special treatment needed, if necessary

No additional information available.

5 Fire-fighting measures

Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Water spray, Sand.

Specific hazards arising from the chemical

Reactivity : Thermal decomposition generates : Corrosive vapors.

Special protective actions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Protective equipment : Safety glasses. Protective clothing. Gloves.

Emergency procedures : Evacuate unnecessary personnel.

Environmental precautions

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

Methods and materials 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.

7 Handling and storage

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.

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 bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

8 Exposure controls/personal protection

Control parameters

Phosphoric Acid, 85% w/w (7664-38-2)

OSHA	OSHA PEL (TWA)(mg/m ³)	1 mg/m ³
IDLH	US IDLH (mg/m ³)	1000 mg/m ³
NIOSH	NIOSH REL (TWA) (mg/m ³)	1 mg/m ³
NIOSH	NIOSH REL (STEL) (mg/m ³)	3 mg/m ³

MARLIPAL 985

No data available

Appropriate engineering controls

Engineering measures : Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation

Individual protection measures

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or face shield

Skin and body protection: Wear suitable protective clothing

Respiratory protection: Respiratory protection not required in normal conditions

Other information: Do not eat, drink or smoke during use.



9 Physical and chemical properties

Physical and chemical properties

Appearance: Clear liquid

Physical State: liquid

Odor: None

Odor Threshold: No data available.

pH: 1.4 - 1.8

Melting/Freezing Point: Data not available

Initial Boiling Point /Range: Data not available

Flash Point: Data not available

Evaporation Rate: Data not available

Flammability: Data not available

Vapor Pressure: Data not available

Vapor Density: Data not available

Relative density: No data available.

Solubility(ies)

Solubility in water: No data available.

Soluble Solubility (other): No data available.
Partition coefficient (n-octanol/water): No data available.
Auto-ignition temperature: Data not available
Decomposition temperature: No data available.
Viscosity: No data available.
Specific gravity(at 25°C): 1.0- 1.14

10 Stability and reactivity

Reactivity

Thermal decomposition generates : Corrosive vapors.

Chemical stability

Not established.

Possibility of hazardous reactions

Not established.

Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Strong acids. Strong bases. metals.

Hazardous decomposition products

Data not available.

11 Toxicological information

Toxicological (health) effects

Toxicological information of the mixture: N.A.

Toxicological information of the main substances found in the mixture:

Phosphoric acid - CAS: 7664-38-2

Likely routes of exposure: Skin and eye contact

Acute toxicity: 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.

Information on the likely routes of exposure

No other relevant information available

Symptoms related to the physical, chemical and toxicological characteristics

No other relevant information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

No other relevant information available.

Numerical measures of toxicity (such as acute toxicity estimates)

No other relevant information available.

Interactive effects

No other relevant information available.

Where specific chemical data are not available

No other relevant information available.

Mixtures

No other relevant information available.

Mixture versus ingredient information

No other relevant information available

Other information

No other relevant information available

12 Ecological information

Toxicity

Phosphoric Acid, 85% w/w (7664-38-2)

LC50 fish 1: 138 mg/l (LC50)

Persistence and degradability

Phosphoric Acid, 85% w/w (7664-38-2)

Persistence and degradability Biodegradability: not applicable. No test data on mobility of the components available.

Biochemical oxygen demand (BOD) Not applicable

Chemical oxygen demand (COD) Not applicable

ThOD Not applicable

Bioaccumulative potential

No other relevant information available

Mobility in soil

No other relevant information available

Other adverse effects

None

13 Disposal considerations

Disposal methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.

14 Transport information

UN Number

DOT, ADR, ADN, IMDG, IATA : Not Regulated

UN Proper Shipping Name

DOT, ADR, ADN, IMDG, IATA : Not Regulated

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA : Not Regulated

Packing group, if applicable

DOT, ADR, ADN, IMDG, IATA : Not Regulated

Environmental hazards

Marine pollutant : no

Special precautions for user

DOT, ADR, ADN, IMDG, IATA : Not applicable

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

Not applicable

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

Not established.

16 Other information

Other information

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent