

Safety Data Sheet

MILD ACID CLEANER (MAC)

Section 1 Identification

Trade Name: MILD ACID CLEANER (MAC)
Product Identification: SC3004
Synonyms: Descaler/Delimer
Product Use Description: Acidic Lime & Scale Remover

General Info Phone: (800) 962-1723

Emergency Phone: (800) 424-9300

Supplier:

Section 2 Hazards Identification

Classifications

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity – Inhalation (Dusts/Mists) - Category 4

Skin corrosion/irritation - Category 1

Serious eye damage/eye irritation - Category 1

Label elements

Hazard statements

Harmful if inhaled

Causes severe skin burns and eye damage



Appearance No information available

Physical state liquid

Odor Bland

Precautionary Statements – Prevention

Use only outdoors or in a well-ventilated area

Do not breathe dust/fume/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves and eye protection

Precautionary Statements – Response

Immediately call a POISON CENTER or doctor/physician

Specific treatment (see .? on this label)

IF IN EYES: 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

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse

SDS – MILD ACID CLEANER (MAC) – PAGE 2 OF 6

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Precautionary Statements – Storage

Store locked up

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information

-Harmful to aquatic life with long lasting effects

Unknown Acute Toxicity % of the mixture consists of ingredient(s) of unknown toxicity

Section 3 Composition

<u>Chemical Name</u>	<u>CAS #</u>	<u>Concentration</u> <u>% by Weight</u>
Phosphoric Acid	7664-38-2	<30

Section 4 First Aid

EMERGENCY OVERVIEW

WARNING: May be harmful if swallowed. Eye and skin irritant.

EYES: Rinse cautiously with water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

SKIN: Wash with plenty of soap and water. If skin irritation occurs get medical attention. Take off contaminated clothing and wash it before reuse.

INHALATION: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if breathing does not return to normal.

INGESTION: Immediately drink large quantities of water. Get medical attention. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms No information available

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5 Fire Fighting Measures

Suitable fire extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical:

No information available.

Explosion data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

Special protective equipment for fire fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SDS – MILD ACID CLEANER (MAC) – PAGE 3 OF 6

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas

Environmental precautions

Environmental precautions See Section 12 for additional ecological information

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so

Methods for cleaning up PH adjust and dispose in accordance with federal and state regulations.

Section 7 Handling and Storage

Eye Protection: Wear safety glasses or goggles.

Skin Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile, or neoprene).

Respiratory Protection: Adequate ventilation.

Engineering Controls: Good general ventilation required.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep out of reach of children. Do not freeze. Follow label instructions.

Incompatible materials Strong acids. OXIDIZERS.

Section 8 Exposure Controls/Personal Protection

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH IDLH</u>
Phosphoric Acid	STEL: 3mg/m3	TWA: 1 mg/m3	IDLH: 1000 mg/m3
7664-38-2	TWA: 1 mg/m3	(vacated) TWA: 1 mg/m3	TWA: 1 mg/m3
		(vacated) STEL: 3 mg/m3	STEL: 3 mg/m3

Appropriate engineering controls

Engineering Controls Showers, Eyewash stations, Ventilation systems

Individual protection measure, such as personal protective equipment

Eye/Face Protection: Tight sealing safety goggles.

Skin and Body Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene). Drenching safety shower and eye wash station.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Section 9 Physical and Chemical Properties

Information on basic physical and chemical properties

<u>Property</u>	<u>Value</u>		
Appearance	LIQUID	Auto Ignition Temp	NOT AVAILABLE
Boiling Point	100 >212 DEGREES F	Color	BLUE
Decomposition Temperature	NOT AVAILABLE	Evaporation Rate	<1
Explosive Limit Ranges	NOT AVAILABLE	Explosive Properties	NOT AVAILABLE
Flash Point	NO INFORMATION AVAILABLE	Melting/Freezing Point	NOT AVAILABLE
Odor	BLAND	Odor Threshold	NOT AVAILABLE
Specific Gravity	1.12	Oxidizing Properties	NOT AVAILABLE
Partition Coeff	NOT AVAILABLE	Physical State	LIQUID

SDS – MILD ACID CLEANER (MAC) – PAGE 4 OF 6

Relative Density	1.05
Solubility (Water)	COMPLETE
Vapor Density	>1
Vapor Pressure	NOT AVAILABLE
Viscosity	NOT AVAILABLE
pH	1.5

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	9.33
Bulk density	No information available

Section 10 Stability and Reactivity

Reactivity:	No data available
Chemical Stability:	Stable under recommended storage conditions
Possibility of Hazardous Reactions	None under normal processing
Hazardous polymerization	Hazardous polymerization does not occur
Incompatible Materials:	Strong acids. OXIDIZERS
Conditions to Avoid:	Extremes of temperature and direct sunlight
Hazardous Decomposition Products:	Carbon dioxide (CO ₂). Carbon monoxide. Heat.

Section 11 Toxicological Information

Information on likely routes of exposure

Product Information	No data available
Inhalation	Irritation and difficulty in breathing
Eye contact	Severely irritating to eyes
Skin Contact	No data available
Ingestion	Gastric pain and vomiting

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Phosphoric Acid 7664-38-2	=1530 mg/kg (Rat)	=2740 mg/kg (Rabbit)	>850 mg/m ³ (Rat) 1h

Information on toxicological effects

Symptoms	No information available
Delayed and immediate effects as well as chronic effects from short and long-term exposure	
Sensitization	No information available
Germ cell mutagenicity	No information available
Carcinogenicity	No information available
Reproductive toxicity	No information available
STOT – single exposure	No information available
STOT – repeated exposure	No information available
Aspiration hazard	No information available

Numerical measure of toxicity – Product Information

Unknown Acute Toxicity % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Section 12 Ecological Information

Ecotoxicity

1.5% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Phosphoric Acid 7664-38-2	-	3-3.5:96h Gambusia affinis mg/L LC50	4.6: 12h Daphnia magna mg/L EC50

SDS – MILD ACID CLEANER (MAC) – PAGE 5 OF 6

Persistence and degradability

No information available

Bioaccumulation

No information available

Other adverse effects

No information available

Section 13 Disposal Considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Do not reuse container.

Chemical Name California Hazardous Waste Status

Phosphoric Acid 7664-38-2	Corrosive
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Section 14 Transport Information

<u>DOT</u>	<u>Regulated</u>
UN/ID No.	1805
Proper shipping name	Phosphoric Acid Solution, Corrosive
Hazard Class	8
Packing Group	III

Section 15 Regulatory Information

International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Complies

Legend:

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS – Japan Existing and New Chemical Substances

IECSC – China Inventory of Existing Chemical Substances

KECL – Korean Existing and Evaluated Chemical Substances

PICCS – Philippines Inventory of Chemicals and Chemical Substances

AICS – Australian Inventory of Chemical Substances

US Federal Regulations

SARA 311

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic health hazard	No
Fire hazard	No

SDS – MILD ACID CLEANER (MAC) – PAGE 6 OF 6

Sudden release of pressure hazard No
Reactive hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA-Reportable Quantities	CWA-Toxic Pollutants	CWA-Priority Pollutants	CWA – Hazardous Substances
Phosphoric Acid 7664-38-2	5000 lb	-	-	X

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Phosphoric Acid 7664-38-2	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phosphoric Acid 7664-38-2	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

Section 16 Other Information

NFPA Health hazards 0 Flammability 0 Instability 0 Physical & Chemical Properties -

HMIS Health hazards 2 Flammability 0 Physical hazards 2 Personal protection X

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Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.