# replacement parts inc

20338 Corisco Street • Chatsworth, California •

Version: 1.0

# **MID CLEAN**

Safety Data Sheet

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

1.1. Product identifier	
Product form	: Clear liquid.
Substance name	: Phosphate Ester, 2-Butotoxyethanol, Tetra Potassium Pyro Phosphate, Alkyl Dimethyl Benzyl Ammonium Chloride, Hydrogen Peroxide, Water
CAS No	: 1341-49-7 , 7664-38-2, 7664-39-3, 7732-18-5, 68391-01-5 CBI(Trade secret)
Product code	: MID CLEAN
Formula	: Proprietary mixture.
Classification of the substance or mixture:	Corrosive to metals, Category 1 Acute toxicity, Category 2, Oral Acute toxicity, Category 2, Inhalation Acute toxicity, Category 1, Dermal Skin corrosion, Category 1A Serious eye damage, Category 1
1.2. Relevant identified uses of the sub	ostance or mixture and uses advised against
Use of the substance/mixture:	Grease and grime remover for sterilizers
1.3. Details of the supplier of the safety	
Manufactured by Sunland Chemical & Researc	h Inc.
5447 San Fernando Road W	
Los Angeles, CA 90039 - USA T (818) 244-9600 F (818) 246-0478	
customerservice@sunlandchemical.com	
http://www.sunlandchemical.com	
1.4. Emergency telephone number	
Emergency number	: PERS: 1-800-633-8253

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

**GHS-US** classification Corr. 1 H290 Skin Corr. 1A H314 Eye Dam. 1 H318

#### Label elements 2.2. **GHS-US** labelling

Hazard pictograms (GHS-US)

Signal word (GHS-US)

Hazard statements (GHS-US)



### : WARNING!

: H301 - Toxic if swallowed or inhaled. H290 - May be corrosive to metals

Precautionary statements (GHS-US)	: H318 – Causes serious eye damage.
	P260 - Do not breathe mist, spray, vapors
	P264 - Wash exposed skin thoroughly after handling
	P280 - Wear eye protection, face protection, protective clothing, and protective gloves 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
	P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	P363 - Wash contaminated clothing before reuse
	P370+P378 - In case of fire: Use carbon dioxide (CO2), powder, alcohol-resistant foam for extinction
	P390 - Absorb spillage to prevent material damage
	P405 - Store locked up
	P406 - Store in corrosive resistant container
	P501 - Dispose of contents/container to comply with local, state and federal
	regulations

2.3.	Other hazards	
Other ha	zards not contributing to the	: H402: Harmful to aquatic life.
classifica	ation	
2.4.	Unknown acute toxicity (GHS US)	
No data	available	
SECTI	ON 3: Composition/informatio	n on ingredients

3.1. Substances
Substance type

: Multi-constituent

Name	Product identifier	%	GHS-US classification
Water	(CAS No) 1341-49-7	7-10%	See Section 2.2
2-Butotoxyethanol	111-76-2	2-5%	
Phosphate Ester	68439-45-2	2-8%	
Tetra Potassium Pyro Phosphate		4-10%	
Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	<1%	
Hydrogen Peroxide	7722-84-1	0 – 2%	
Trade secret ( Not believed to impact the hazard profile)	СВІ	64 - 84%	

Full text of H-phrases: see section 16

**3.2.** Mixture Not applicable

# SECTION 4: First aid measures

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4.1. Description of first aid measures	
First-aid measures general	<ul> <li>Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen.</li> <li>Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain.</li> <li>Depending on the victim's condition: doctor/hospital.</li> </ul>
First-aid measures after inhalation	: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Wash immediately with lots of water (15 minutes)/shower. Remove clothing while washing. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface > 10%: take victim to hospital.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents. Cover eyes aseptically. Take victim to an ophthalmologist.
First-aid measures after ingestion	: Rinse mouth with water. Immediately after ingestion: Give lots of water to drink. Give milk to drink. Do not induce vomiting. Do not give activated charcoal. Do not give chemical antidote. Immediately consult a doctor/medical service. Call Poison Information Center. Take the container/vomit to the doctor/hospital. Ingestion of large quantities: immediately to hospital.
4.2. Most important symptoms and effe	ects, both acute and delayed
Symptoms/injuries after inhalation	: Irritation of the respiratory tract. Dry/sore throat. Corrosion of the upper respiratory tract. Coughing. FOLLOWING SYMPTOMS MAY APPEAR LATER: Respiratory difficulties. Possible inflammation of the respiratory tract. Blue/grey discoloration of the skin.
Symptoms/injuries after skin contact	: White skin. May stain the skin. Caustic burns/corrosion of the skin. Slow-healing wounds.
Symptoms/injuries after eye contact	: Corrosion of the eye tissue. Permanent eye damage.
Symptoms/injuries after ingestion	: Nausea. Vomiting. Abdominal pain. Burns to the gastric/intestinal mucosa. Possible esophageal perforation. Shock.
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Affection/discoloration of the teeth. Risk of pneumonia.
<b>4.3.</b> Indication of any immediate medic Obtain medical assistance.	al attention and special treatment needed
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
media : No unsuitable extinguishing media	NG MEDIA FOR SURROUNDING FIRES: All extinguishing media allowed. Unsuitable extinguishing known.
5.2. Special hazards arising from the s	ubstance or mixture
Fire hazard	: DIRECT FIRE HAZARD. Noncombustible. INDIRECT FIRE HAZARD. Promotes combustion.
Explosion hazard	Reactions involving a fire hazard: see "Reactivity Hazard". : INDIRECT EXPLOSION HAZARD. Reactions with explosion hazards: see "Reactivity Hazard".
materials with risk of spontaneous ignition. Rea	Decomposes on exposure to temperature rise: release of toxic and corrosive gases/vapors. unds e.g.: with (strong) reducers, with (some) bases, with organic material and with combustible acts violently with (some) metals. Decomposes slowly on exposure to light: release of toxic and at to explosive reaction with (some) metal powders: release of highly flammable gases/vapors
5.3. Advice for firefighters	
Firefighting instructions	: Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Dilute toxic gases with water spray. Take account of toxic fire-fighting water. Use water
	moderately and if possible collect or contain it.

0.4	Developed process tions, protective,	
6.1.	Personal precautions, protective	equipment and emergency procedures
6.1.1.	For non-emergency personnel	
Protectiv	ve equipment	: Gas-tight suit. Corrosion-proof suit.
Emerge	ncy procedures	: Keep upwind. Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. Corrosion-proof appliances. Keep containers closed. Wash contaminated clothes.

SECTION 6: Accidental release measures

#### For emergency responders 6.1.2.

Protective equipment	: Equip cleanup crew with proper protection. Avoid breathing mist, Vapors, spray.
Emergency procedures	: Stop leak if safe to do so. Ventilate area.

#### 6.2. **Environmental precautions**

Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for contain	iment and cleaning up
For containment	: Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Dilute toxic gases/vapors with water spray. Take account of toxic/corrosive precipitation water. Hazardous reaction: measure explosive gas-air mixture. Reaction: dilute combustible gas/vapor with water curtain.
Methods for cleaning up	: Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite or powdered limestone. Do not take up in combustible material such as: saw dust. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Carefully collect the spill/leftovers. Spill must not return in its original container. Damaged/cooled tanks must be emptied. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

#### 6.4. **Reference to other sections**

No additional information available

## **SECTION 7: Handling and storage**

7.1. Precautions for safe handling	
Precautions for safe handling	: Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Keep the substance free from contamination. Use corrosion-proof equipment. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Never dilute by pouring water to the acid. Always add the acid to the water. Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Keep container tightly closed. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, inclu	Iding any incompatibilities
Heat and ignition sources	: KEEP SUBSTANCE AWAY FROM: heat sources.
Prohibitions on mixed storage	: KEEP SUBSTANCE AWAY FROM: combustible materials. reducing agents. (strong) bases. cellulosic materials. organic materials. metal powders. water/moisture.
Storage area	Store in a cool area. Keep out of direct sunlight. Store in a dry area. Store in a dark area. Ventilation at floor level. Fireproof storeroom. Keep locked up. Provide for a tub to collect spills. Aboveground. Keep only in the original container. Store only in a limited quantity. Meet the legal requirements.
Special rules on packaging	: SPECIAL REQUIREMENTS: hermetical. dry. clean. opaque. correctly labelled. meet the legal requirements. Secure fragile packaging in solid containers.
Packaging materials	: SUITABLE MATERIAL: stainless steel. aluminum. iron. glass. MATERIAL TO AVOID: synthetic material.
	matchai.

## Specific end use(s) No additional information available

## **SECTION 8: Exposure controls/personal protection**

8.1. Control parameters RPI MID-CLEAN (Estimated	from constituent sources)	
USA ACGIH	ACGIH TWA (ppm)	2 ppm
USA ACGIH	ACGIH STEL (ppm)	4 ppm
USA OSHA	OSHA PEL (TWA) (mg/m3)	3 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	6 ppm

7.3.

#### 8.2. Exposure controls

Appropriate engineering controls

Personal protective equipment

- : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.
- : Protective goggles. Protective clothing. Face shield. Gloves. Combined gas/dust mask with filter type NO/P2.



- : GIVE LESS RESISTANCE: polyethylene/ethylene vinyl alcohol. GIVE POOR RESISTANCE: chloroprene rubber. nitrile rubber. polyethylene. PVA. natural fibers. : Gloves.
- Materials for protective clothing Hand protection Eye protection Skin and body protection Respiratory protection
- : Protective goggles.

:

- : Head/neck protection. Corrosion-proof clothing.
- : Gas mask with filter type B. Gas mask with filter type E. Gas mask with filter type NO. High vapor/gas concentration: self-contained respirator.

#### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and		
Physical state	: Liquid	
Appearance	: Liquid.	
Molecular mass	: Not available	
Color	: Colorless-water white. On exposure to light may turn yellow.	
Odor	: Irritating/pungent odor.	
Odor threshold	: Not available.	
рН	:	
pH solution	Unknown : Unknown	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: Unknown	
Flash point	: Not applicable	
Self ignition temperature	:	
Decomposition temperature	Not applicable	
	No data available	
Flammability (solid, gas)	: No data available	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	:	
Relative density of saturated gas/air mixture	1.040 – 1.05 :	
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	No data available	
Density	: 1040 – 1050 kg/m³	
Solubility	: Water: Complete	
,		
Log Pow	: No data available	
Log Kow	: No data available	
Log Kow	. NO GALA AVAIIADIE	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosive properties	No data available	
Explosive properties		
Oxidising properties	: May intensify fire.	
Explosive limits	: No data available	
9.2. Other information		
Continue concentration		
Saturation concentration	: Unknown	
VOC content	: Not applicable	

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Other properties

Decomposes on exposure to temperature rise: release of toxic and corrosive gases/vapors.

: Unknown.

#### 10.2. Chemical stability

Unstable on exposure to light.

#### **10.3. Possibility of hazardous reactions** May react violently with reducing agents.

10.4. Conditions to avoid

Direct sunlight. Incompatible materials.

#### 10.5. Incompatible materials

Strong bases. Strong reducing agents. Organic compounds. Cyanides. Combustible materials. Aldehydes. Ammonia. Metals. Alcohols.

10.6. Hazardous decomposition products	
SECTION 11: Toxicological informatic	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eve damage.
ceneds eye damage/imation	
Respiratory or skin sensitization:	: Toxic on skin.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified

Specific target organ toxicity (repeated : Not classified exposure)

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Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Irritation of the respiratory tract. Dry/sore throat. Corrosion of the upper respiratory tract. Coughing. FOLLOWING SYMPTOMS MAY APPEAR LATER: Respiratory difficulties. Possible inflammation of the respiratory tract. Risk of lung edema. Blue/grey/white discoloration of the skin.
Symptoms/injuries after skin contact	: White/Yellow skin. May stain the skin. Caustic burns/corrosion of the skin. Slow-healing wounds
Symptoms/injuries after eye contact	: Corrosion of the eye tissue. Permanent eye damage.
Symptoms/injuries after ingestion	: Nausea. Vomiting. Abdominal pain. Burns to the gastric/intestinal mucosa. Possible esophageal perforation. Shock.
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Affection/discoloration of the teeth.

12.1. Toxicity		
Ecology - general	: Classification concerning the environment: not applicable.	
Ecology - water	: Water pollutant (surface water). Harmful to fishes. Harmful to invertebrates (Daphnia). May cause eutrophication. pH shift.	
Alkaline Solution	Estimated from constituent components	
LC50 fishes 1	135 mg/l (96 h; Lepomis macrochirus;)	
EC50 Daphnia 1	180 mg/l (48 h; Daphnia magna; PURE SUBSTANCE)	
LC50 fish 2	72 ppm (Gambusia affinis; PURE SUBSTANCE)	
Threshold limit algae 1	> 19 mg/l (Algae; PURE SUBSTANCE)	

12.2. Persistence and degradability	
Alkaline Solution	
Persistence and degradability	Biodegradability: not applicable. No (test) data on mobility of the components of the mixture available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oyxgen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential	
Alkaline Solution	
BCF fish 1	Not known
Log Pow	Not known
Bioaccumulative potential	Not known

**12.4. Mobility in soil** No additional information available

12.5. Other adverse effects		
No additional information available		
SECTION 13: Disposal consideration	ations	
13.1. Waste treatment methods		
Waste disposal recommendations	: Remove waste in accordance with local and/or national regulations. Recyc physico-chemical/biological treatment. Remove to an authorized dump (C best available techniques before discharge into drains or the aquatic envi	class I). Treat using the
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Additional information

# **SECTION 14: Transport information**

In accordance with ADR / RID / ADNR	2 / IMDG / ICAO / IATA		
14.1. UN number			
UN-No.(DOT)	: NOT DOT REGULATED		
DOT NA no.			
14.2. UN proper shipping name			
DOT Proper Shipping Name	: NOT DOT REGULATED		
Department of Transportation (DOT) Hazard :			
Hazard labels (DOT)	:		
Packing group (DOT)	:		

DOT Special Provisions (49 CFR 172.102)

:

DOT Packaging Exceptions (49 CFR 173.xxx)	:
DOT Packaging Non Bulk (49 CFR 173.xxx)	:
DOT Packaging Bulk (49 CFR 173.xxx)	:
14.3. Additional information	
14.3. Additional Information	
Other information	: No supplementary information available.
State during transport (ADR-RID)	: As liquid.
Overland transport	
Packing group (ADR)	
	:
Class (ADR)	
Hazard identification number (Kemler No.)	:
Classification code (ADR)	:
Danger labels (ADR)	:
Orange plates Transport by sea	
DOT Vessel Stowage Location	
DOT VESSEI Slowaye Localion	
DOT Vessel Stowage Other	:

	•
EmS-No. (1)	:
EmS-No. (2)	:
Air transport	

DOT Quantity Limitations Passenger aircraft/rail :

# **SECTION 15: Regulatory information**

15.1. US Federal regulations

:

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RQ (Reportable quantity, section 304 of EPA's List of Lists) :	
SARA Section 311/312 Hazard Classes	

### 15.2. International regulations

CANADA		
Listed on the Canadian DSL (Domestic Substances List) inventory.		
WHMIS Classification		

#### **EU-Regulations**

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP] Corr. 2A

Full text of H-phrases: see section 16

#### 15.2.2. National regulations

Ammonium Biflouride, Phosphoric acid, Proprietary ingredients	
Listed on the Canadian Ingredient Disclosure List	

15.3. US State regulations	
Proprietary mixture	
State or local regulations	U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List U.S Massachusetts - Right To Know List

## **SECTION 16: Other information**

Full text of H-phrases: see section 16:

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Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Met. Corr. 1	Corrosive to metals, Category 1	
Skin Corr. 1A	Skin corrosion/irritation, Category 1A	
H290	May be corrosive to metals	
H314	Causes severe skin burns and eye damage	
H318	Causes serious eye damage	

#### :4-

#### **HMIS III Rating**

Health

: 2 Moderate - Can cause serious or permanent injury

Flammability	: 0 Minimal Hazard
Physical	: 0 Minimal Hazard
Personal Protection	: H

SDS US (GHS HazCom 2012)

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