products co. OF sacramento

Safety Data Sheet (SDS)
ABCO Products of Sacramento

Triple Clean

SDS Number: 120 Revision Date: 1/4/2015

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

ABCO Products of Sacramento
P.O. Box 188469
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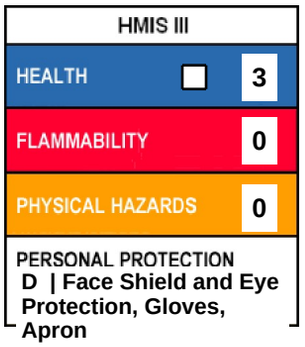
Product Name: Triple Clean
Revision Date: 1/4/2015
Version: 1
SDS Number: 120
Common Name: Mild Acid Cleaner
CAS Number: MIXTURE
Product Code: ABCO J-PCCED
Chemical Family: Mild Acid Cleaner
Chemical Formula: *** PROPRIETARY ***

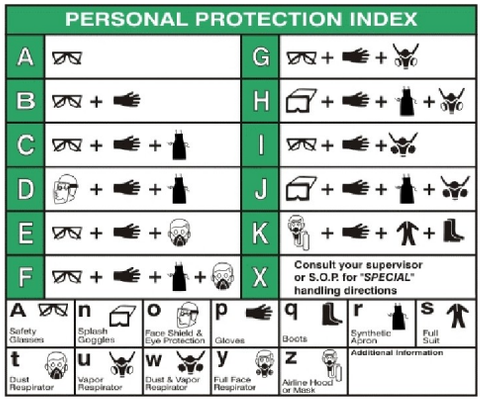
Emergency Phone: +1-800-424-9300 (CHEMTREC)

2 HAZARDS IDENTIFICATION

NFPA:
HMIS III:

Health = 3, Fire = 0, Reactivity = 0
H3/F0/PH0





GHS Signal Word:
DANGER

GHS Hazard Pictograms:

GHS Classifications:
Physical, Corrosive to Metals, 1
Health, Acute toxicity, 4 Oral
Health, Skin corrosion/irritation, 1 B
Health, Serious Eye Damage/Eye Irritation, 1
Health, Acute toxicity, 5 Inhalation
Health, Specific target organ toxicity - Single exposure, 3

GHS Phrases:
H290 - May be corrosive to metals
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H333 - May be harmful if inhaled
H335 - May cause respiratory irritation

GHS Precautionary Statements:
P234 - Keep only in original container.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 - Specific treatment (see supplemental first aid instructions on this label).
P332+313 - If skin irritation occurs: Get medical advice/attention.
P337+313 - If eye irritation persists: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
N/A	>70%	Proprietary, non-hazardous, non-regulated
7664-38-2	<20%	Phosphoric acid
79-14-1	<5%	Acetic acid, hydroxy-
9016-45-9	<5%	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-

4 FIRST AID MEASURES

Inhalation:	Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Take off contaminated clothing and shoes immediately. Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. If reddening develops and/or persists, obtain medical attention.
Eye Contact:	Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses is present and easy to do so. Get immediate medical attention.
Ingestion:	Rinse mouth with water. Do NOT induce vomiting unless instructed to do so. Give 3-4 glasses of water or milk to dilute stomach contents. Never give anything by mouth to an unconscious person. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed:
The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11.

Indication of any immediate medical attention and special treatment needed:
No data available.

5 FIRE FIGHTING MEASURES

Flammability:	Not flammable
Flash Point:	DNA
Flash Point Method:	DNA
Burning Rate:	No data available
Autoignition Temp:	No data available
LEL:	DNA
UEL:	DNA

Extinguishing Media:
Water Spray
Carbon Dioxide
Alcohol-Resistant Foam
Dry Chemical

Special Hazards Arising From the Substance or Mixture:
Ammonia
Carbon Oxides
Hydrogen Fluoride
Phosphorous Oxides
Sodium Oxides

Advice for Firefighters:
Firefighters should wear full-face, positive-pressure respirators.

Further Information:
If incinerated, may release toxic fumes.
Gives off Hydrogen by reaction with metals. Hydrogen is flammable and potentially explosive. Use caution.
Use water spray to cool unopened containers.
Do NOT use high volume water jet to extinguish fire, as the force of the water jet may cause fire to spread.
See Section 7 for more information on safe handling.

See Section 8 for more information on personal protection equipment.
See Section 13 for disposal information.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:
Use personal protective equipment.
Keep from contacting skin or eyes.
Avoid breathing vapors, mist or gas.
Ensure adequate ventilation.
Evacuate personnel to safe areas.

Environmental Precautions:
Prevent further release (leakage/spillage) if safe to do so.
Do not allow product to enter drains.
Do not allow to drain to environment.

Methods and Materials for Containments and Cleaning Up:
Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
Neutralizing agent like Sodium Bicarbonate may also be used to absorb/neutralize any spilled material.
Place contaminated material into suitable, closed containers for disposal.
Dispose of contaminated material according to Section 13.
After spillage has been collected, area may be flushed with water or wet-brushed.
Ensure adequate ventilation.

Reference to Other Sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on proper disposal.

7 HANDLING AND STORAGE

Handling Precautions:
Avoid breathing vapors or mist.
Avoid contact with eyes, skin, or clothing.
Use approved, plastic containers only - do not store in metal containers.
Do not use Silicate containing materials for handling material (glass, cement, etc.).
Keep containers closed when not in use.
Do not expose containers to open flame, excessive heat, or direct sunlight.
Do not puncture or drop containers.
Handle with care and avoid spillage on the floor.
Keep material out of reach of children.
Keep material away from incompatible materials.
Do not use corrosive-sensitive materials for handling product.
Wash thoroughly after handling.
Ensure adequate ventilation.

Storage Requirements:
Keep container tightly closed.
Avoid inhalation of vapors or mist upon opening container.
Store in a well-ventilated place.
Do not store in direct sunlight.
Store away from strong acids, strong bases, strong oxidizing agents, strong reducing agents, metals, powdered metals, organic materials, Alkali metals, Alkaline earth metals and Silicate containing materials (glass, cement, etc.).

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Personal Protective Equip: Eye/face protection:
When using material use safety goggles, gloves, apron and face shield according to HMIS PP, D. A vapor respirator according to HMIS PP, U is also highly recommended. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:
Handle with gloves made from Viton, Nitrile, PVC or Buma rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

Body Protection:
Chemically resistant gloves, apron, safety goggles and face shield are recommended. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

Respiratory protection:
Full-face vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds.

Control of environmental exposure:
Prevent leakage or spillage if safe to do so. Do not let material enter drains.

Components with workplace control parameters:

Component(s): Phosphoric acid
CAS No(s): 7664-38-2
USA ACGIH (TWA/TLV): 1 mg/m^3
USA ACGIH (STEL/TLV): 3 mg/m^3
USA OSHA Occupational Exposure Limits Table Z-1 Limits for Air Contaminants (TWA): 1 mg/m^3
USA OSHA Table Z-1 Limits for Air Contaminants (STEL): 3 mg/m^3
USA NIOSH Recommended Exposure Limits (TWA): 1 mg/m^3
USA NIOSH Recommended Exposure Limits (ST): 3 mg/m^3

Biological occupational exposure limits:

Contains no substances with biological occupational exposure limits values.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, Colorless Liquid		
Physical State:	Liquid	**Odor:**	Characteristic
Odor Threshold:	Not determined	**Molecular Formula:**	MIXTURE
Particle Size:	Not determined	**Solubility:**	100%
Spec Grav./Density:	1.138 g/ml (9.50 lbs/gal)	**Softening Point:**	Not determined
Viscosity:	Not determined	**Percent Volatile:**	0.96%
Sat. Vap. Conc.:	Not determined	**Heat Value:**	Not determined
Boiling Point:	> 100 °C (212 °F)	**Freezing/Melting Pt.:**	Not determined
Flammability:	(solid, gas): Not flammable	**Flash Point:**	DNA
Partition Coefficient:	Not determined	**Octanol:**	Not determined
Vapor Pressure:	(mm Hg @ 20 °C): Not determined	**Vapor Density:**	(air = 1): Not determined
pH:	@ 1%: < 1.0	**VOC:**	DNA
Evap. Rate:	(N-Butyl Acetate = 1): > 1.0	**Bulk Density:**	Not determined
Molecular weight:	MIXTURE	**Auto-Ignition Temp:**	Not determined
Decomp Temp:	Not determined	**UFL/LFL:**	Not determined

Percent Phosphorous: 5.92%

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Incompatibilities, flames, ignition sources.
Materials to Avoid:	Strong acids, strong bases, strong oxidizing agents, strong reducing agents, metals, powdered metals, organic materials, Alkali metals, Alkaline earth metals and Silicate containing materials (glass, cement, etc.).
Hazardous Decomposition:	Ammonia, Carbon Oxides, Hydrogen Fluoride, Phosphorous Oxides and Sodium Oxides.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Component(s): Phosphoric acid; Acetic acid, hydroxy-; Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-
CAS No(s): 7664-38-2; 79-14-1; 9016-45-9

Acute Toxicity:

LD50 Oral - Rat: 502.21 mg/kg
LC50 Dermal - Rabbit: 2,740 mg/kg
LC50 Inhalation - Rabbit: 1.689 mg/l (1 h)
LC50 Inhalation - Rat: 3.6 mg/l (4 h)

Skin Corrosion/Irritation: Rabbit skin - Corrosive.

Serious Eye Damage/Eye Irritation: Risk of serious damage to eyes.

Respiratory or Skin Sensitation: Certain reactions were observed for sensitive people.

Germ Cell Mutagenicity: No data available.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity:
Oral - Rat: Effects on Embryo or Fetus; Fetotoxicity (stunted fetus); Developmental Abnormalities (Musculoskeletal system).
NOEL Teratogenicity Oral - Rat: 50 mg/kg - Effects on development were observed.

Specific Target Organ Toxicity - Single Exposure: Respiratory system - May cause respiratory irritation.

Specific Target Organ Toxicity - Repeated Exposure: No data available.

Aspiration Hazard: No data available.

Additional Information:
Component: Phosphoric acid; RTECS: TB6300000
Component: Acetic acid, hydroxy-; RTECS: MC5250000
Component: Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-; RTECS: AX0247000

12 ECOLOGICAL INFORMATION

Component(s): Phosphoric acid; Acetic acid, hydroxy-; Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-
CAS No(s): 7664-38-2; 79-14-1; 9016-45-9

Toxicity:

Toxicity to fish:
LC50 - Lepomis macrochirus (Bluegill): 1.0 mg/l (96 h)
Mortality NOEC - Pimephales promelas (Fathead Minnow): 2.0 mg/l (72 h)
Mortality LOEC - Pimephales promelas (Fathead Minnow): 1.8 mg/l (72 h)

Toxicity to daphnia and other aquatic invertebrates:
Mortality NOEC - Daphnia magna (Water Flea): 10.0 mg/l (144 h)
Mortality LOEC - Daphnia magna (Water Flea): 20.0 mg/l (144 h)
EC50 - Daphnia magna (Water Flea): 12.2 - 17.0 mg/l (48 h)

Toxicity to algae:
Growth Inhibition LOEC: Pseudokirchneriella subcapitata: 16.0 mg/l (96 h)
Growth Inhibition NOEC: Pseudokirchneriella subcapitata: 8.0 mg/l (96 h)

Persistence and Degradability:
No data available.

Bioaccumulative potential:
No data available.

Mobility in Soil:
No data available.

Results of PBT and vPvB assessment:
Not required/conducted.

Other Adverse Effects:
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.Toxic to aquatic life with long lasting effects.

13 DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

14 TRANSPORT INFORMATION

DOT Class: Corrosive (8) #8
UN #: UN 3264, Class: 8, Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (containing Phosphoric acid; Glycolic acid)

DOT (US)
UN Number: 3265
Class: 8
Packing Group: III
ERG #: 154
Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (containing Phosphoric acid; Glycolic acid)
Marine Pollutant: No
Poison Inhalation Hazard(s): No

IMDG
UN Number: 3265
Class: 8
Packing Group: III
EMS-No: F-A, S-B
Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (containing Phosphoric acid; Glycolic acid)
Marine Pollutant: No

IATA
UN Number: 3265
Class: 8
Packing Group: III
ERG #: 154
Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (containing Phosphoric acid; Glycolic acid)
Marine Pollutant: No

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

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*Phosphoric acid (7664382 <20%) CERCLA, CSWHS, EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA311/312, SARA313, TSCA, TXAIR

*Acetic acid, hydroxy- (79141 <20%) NJHS, PA, SARA311/312, TSCA

*Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- (9016459 <5%) NJHS, PA, SARA311/312, TSCA

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EPCRAWPC = EPCRA Water Priority Chemicals
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA311/312 = SARA 311/312 Toxic Chemicals
SARA313 = SARA 313 Title III Toxic Chemicals
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

16 OTHER INFORMATION

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that ABCO Products of Sacramento believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of ABCO Products of Sacramento's control, ABCO Products of Sacramento makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

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