Safety Data Sheet

Revision Date 06-Jan-2014
Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name **Clean & Prep Solution**
Product code **9306000001**
Recommended Use Cleaning agent

Supplier
Kop-Coat, Inc.
RAMUC
36 Pine Street
Rockaway, NJ 07866

Emergency telephone number
Chemtrec: 1-800-424-9300 for US
+1 703-527-3887 outside US

2. Hazards identification

DANGER!

Emergency Overview

Corrosive
The product causes burns of eyes, skin and mucous membranes

Potential Health Effects
Principle Routes of Exposure Eye contact. Skin contact.

Acute toxicity

Eyes Product may cause eye damage; signs and symptoms may include burns, vision impairment, permanent corneal damage and/or soft tissue damage.

Skin Corrosive to skin! May cause severe damage including scarring.

Inhalation May cause irritation of respiratory tract. Contact with moist mucous membranes of the respiratory system can cause caustic condition resulting in burns. May be harmful if inhaled.

Ingestion May be harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tracts.

Chronic Effects Prolonged skin contact may defat the skin and produce dermatitis.

Aggravated Medical Conditions Preexisting eye disorders. Skin disorders. Respiratory disorders.

Environmental hazard See Section 12 for additional Ecological Information.

3. Composition/information on ingredients

Hazardous Components

Chemical Name	CAS-No	Weight %
Phosphoric acid	7664-38-2	30-60

4. First aid measures

General advice Immediate medical attention is required. Show this material safety data sheet to the doctor in attendance.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Call a physician or poison control center immediately.

Skin contact Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Call a poison control center or doctor for treatment advice. Immediate medical attention is required.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or poison control center immediately.

Ingestion If swallowed, call a poison control center or doctor immediately. Do NOT induce vomiting. Rinse mouth. Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung edema or pneumonia.

Notes to physician Treat symptomatically.

5. Fire-fighting measures

Flammable Properties Not flammable.

Flash point Not flammable. Not Applicable

Suitable extinguishing media Water spray, dry chemical, carbon dioxide (CO_2), or foam. Water may be used to cool and prevent the rupture of containers that are exposed to the heat from a fire.

Hazardous Combustion Products Combustion may produce carbon monoxide, carbon dioxide, and irritating or toxic vapors and gases.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters Evacuate personnel to safe areas. Move non-burning material, as feasible, to a safe location as soon as possible. Thoroughly decontaminate all protective equipment after use. Use water spray to cool fire-exposed containers. Use water spray to disperse vapors if a spill or leak has not ignited. .

6. Accidental release measures

Personal precautions Avoid contact with the skin and the eyes. Use personal protective equipment. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. For personal protection see section 8. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for Containment Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up Soak up with inert absorbent material. Prevent product from entering drains. Keep in suitable and closed containers for disposal.

Other information

Follow personal protective equipment recommendations found in Section 8. Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits. Do not allow the spilled product to enter public drainage systems or open waterways.

7. Handling and storage

Advice on safe handling

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. Wash thoroughly after handling. Use according to package label instructions.

Technical measures/Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Store away from other materials. Incompatible with oxidizing agents.

8. Exposure controls/personal protection

Exposure Guidelines

RCP-TWA = 1200 mg/m³ or 196 ppm Total Hydrocarbons in Vapor Form.

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

Component	British Columbia	Alberta	Quebec	Ontario TWAEV
Phosphoric acid 7664-38-2 (30-60)	TWA: 1 mg/m³ STEL: 3 mg/m³	TWA: 1 mg/m³ STEL: 3 mg/m³	TWA: 1 mg/m³ STEL: 3 mg/m³	TWA: 1 mg/m³ STEL: 3 mg/m³

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Use adequate ventilation to maintain airborne concentrations at levels below permissible or recommended occupational exposure limits.

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Personal Protective Equipment

Hand Protection

Neoprene gloves Butyl rubber Nitrile rubber Impervious gloves Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion

Eye/Face Protection

Tightly fitting safety goggles. Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to handling and processing of material.

Skin and body protection

Wear protective gloves/clothing. Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. It is good practice to avoid contact with the product and/or its vapor, mists or dust by using appropriate protective measures. Wash thoroughly after handling and before eating or drinking.

9. Physical and chemical properties

Physical state Liquid
Odor Characteristic
Color light yellow

Property	Values	Remarks • Methods
pH	1	
Boiling point/boiling range	149 °C / 300 °F	
Flash Point	Not Applicable	
Evaporation rate	< 1	
Explosion Limits		
upper		
lower		
Vapor pressure	no data available	
Vapor density	no data available	
Specific Gravity	1.240	
Viscosity, kinematic	no data available	
Water solubility	Soluble in water	
Partition coefficient: n-octanol/water	no data available	
Explosive properties	no data available	

Other information

Volatile organic compounds (VOC) content None
Melting/freezing point

10. Stability and reactivity

Stability/Reactivity Stable under normal conditions.

Incompatible products Strong oxidizing agents, strong acids, and strong bases.

Conditions to Avoid No information available.

Hazardous Decomposition Products Carbon oxides. Nitrogen oxides (NOx). Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

11. Toxicological information

Acute toxicity

Product Information The product itself has not been tested.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid	1530 mg/kg (Rat)	2730 mg/kg (Rabbit)	850 mg/m³ (Rat) 1 h

Chronic toxicity

Chronic toxicity Prolonged skin contact may defat the skin and produce dermatitis

Target Organ Effects Eyes Respiratory system Skin

12. Ecological information

Ecotoxicity

The environmental impact of this product has not been fully investigated. .

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms	Toxicity to other organisms
Phosphoric acid		LC50: 96 h Gambusia affinis 3 - 3.5 mg/L	EC50: 12 h Daphnia magna 4.6 mg/L		

Persistence and degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

13. Disposal considerations

Waste Disposal Methods Waste from this material may be a listed and/or characteristic hazardous waste. Dispose of material, contaminated absorbent, container and unused contents in accordance with local, state, and federal regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

US EPA Waste Number D002

California Hazardous Waste Codes 791 561

14. Transport information

DOT Regulated

UN/ID No ORM-D, Containers < 5 L (1.3 g)

MEX

UN/ID No ORM-D

15. Regulatory information

International Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	-
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies
NZIoC	-

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 Commercial Chemical Substances/EU 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
NZIoC - New Zealand Inventory of Chemicals
"-" - Unknown. Not listed.

U.S. Federal Regulations

SARA 313

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	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated 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	5000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Phosphoric acid	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Phosphoric acid	X	X	X		

International Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
E Corrosive material

16. Other information

NFPA	**Health Hazard** 3	**Flammability** 0	**Stability/Reactivity** 0	**Physical and chemical hazards** -
HMIS	**Health Hazard** 3	**Flammability** 0	**Physical Hazard** 0	**Personal protection** -

Prepared By Kop-Coat, Inc.
Regulatory Affairs

Revision Date 06-Jan-2014
Revision Note No information available.

Disclaimer

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End of Material Safety Data Sheet