

Material Safety Data Sheet



Issue Date 13-Mar-2012

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name PC PETRIFIER

MSDS # 130519-15-CA

Recommended Use Adhesives

Supplier Address

Protective Coatings Co.
221 S Third St.
Allentown, PA 18102 USA

Company Phone Number

Emergency Telephone (24 hr)

610-432-3543 / 800-220-2103
INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Emergency Overview

Causes skin irritation
Causes serious eye irritation

Appearance Milky white liquid

Physical State Liquid.

Odor Not determined

Potential health effects

Acute Toxicity

Eyes

Causes serious eye irritation

Skin

Causes skin irritation

Inhalation

May cause irritation of respiratory tract

Ingestion

May cause discomfort if swallowed

Chronic Effects

No known effect based on information supplied

Symptoms

Causes eye irritation. Direct contact may cause temporary redness and discomfort. Causes skin irritation. May cause discomfort if swallowed.

Aggravated Medical Conditions

Skin and eye conditions

Environmental hazard

See Section 12: ECOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	Proprietary
Sodium dioctyl sulfosuccinate	577-11-7	Proprietary
Urethane Acrylic Polymer	MIXTURE	Proprietary
1-Methyl-2-pyrrolidone	872-50-4	Proprietary

Product contains a proprietary mixture of ingredients.

4. FIRST AID MEASURES

General Advice	Provide this SDS to medical personnel for treatment After first aid, get appropriate in-plant, paramedic, or community medical support
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes Get medical attention if irritation occurs
Skin Contact	Wash with soap and water Remove and wash contaminated clothing before reuse Get medical attention if irritation occurs
Inhalation	Remove to fresh air If breathing is difficult, give oxygen If breathing has stopped, give artificial respiration. Get medical attention immediately
Ingestion	Clean mouth with water and drink afterwards plenty of water Do NOT induce vomiting Never give anything by mouth to an unconscious person Seek medical advice
Note to Physicians	Skin and eye conditions may be aggravated by long term exposure

5. FIRE-FIGHTING MEASURES

Flammable properties	Not flammable
Flash Point	No data
Suitable Extinguishing Media	Dry chemical, CO2 or water spray
Hazardous Combustion Products	Carbon monoxide, Carbon dioxide (CO2)
Explosion Data	
Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	None
Specific Hazards Arising from the Chemical	Non-combustible
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear Do not release runoff from fire control methods to sewers or waterways

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective gloves/protective clothing and eye/face protection Avoid breathing vapors, mist or gas Remove any contaminated clothing and wash thoroughly before reuse Ventilate affected area
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Environmental Precautions	See Section 12 for additional ecological information Do not release into sewers or waterways
Methods for Containment	For large spills, dike far ahead of spill for later disposal
Methods for Cleaning Up	Dispose of contents/container to an approved waste disposal plant Soak up with inert absorbent material Sweep up absorbed material and shovel into suitable containers for disposal For waste disposal, see section 13 of the SDS

7. HANDLING AND STORAGE

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice Obtain special instructions before use Do not handle until all safety precautions have been read and understood Wear appropriate personal protective equipment Do not eat, drink or smoke when using this product Wash face, hands, and any exposed skin thoroughly after handling
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place Store contents under 32 - 90°F(32°C) Store locked up

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	The following information is given as general guidance
Engineering Controls	Provide general or local exhaust ventilation systems
<u>Personal protective equipment (PPE)</u>	
Skin and Body Protection	Wear protective gloves and protective clothing
Eye/Face Protection	Chemical safety goggles/faceshield
Respiratory Protection	Ensure adequate ventilation, especially in confined areas If engineering controls do not keep airborne concentrations below acceptable levels, wear a NIOSH-approved respirator
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Not determined
Appearance	Milky white liquid	Odor Threshold	Not determined
Color	Milky white		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	not data		
Melting Point/Freezing Point	0 °C / 32 °F		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	No data		
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not data		
Lower Flammability Limit	Not data		
Vapor Pressure	Same as water		
Vapor Density	Not data		

Relative Density (Specific Gravity)	1.03 4°C	(1=Water)
Water Solubility	Soluble in water	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Same as water	
Dynamic Viscosity	Same as water	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	85 grams/liter	

10. STABILITY AND REACTIVITY

Stability	PC Petrifier is stable at room temperature in closed containers under normal storage and handling conditions
Incompatible Materials	Mineral acids, Alkalies, Oxidizing agents, Sodium hypochlorite, Calcium hypochlorite.
Conditions to Avoid	Keep from freezing, Boiling
Hazardous Decomposition Products	Thermal oxidative decomposition of PC Petrifier can produce carbon monoxide and carbon dioxide
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Inhalation	May cause irritation of respiratory tract
Eye Contact	Causes serious eye irritation
Skin Contact	Causes skin irritation
Ingestion	May cause discomfort if swallowed

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium dioctyl sulfosuccinate	= 1900 mg/kg (Rat)	= 10000 mg/kg (Rabbit)	
1-Methyl-2-pyrrolidone	= 3598 mg/kg (Rat)	= 2500 mg/kg (Rat) > 5000 mg/kg (Rabbit)	= 3.1 mg/L (Rat) 4 h

Chronic Toxicity

Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.
Reproductive Toxicity	May damage fertility or the unborn child
Target Organ Effects	None known

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium dioctyl sulfosuccinate		20 - 40: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 24: 96 h Oncorhynchus mykiss mg/L LC50 static 37: 96 h Lepomis macrochirus mg/L LC50 static	36: 48 h Daphnia magna mg/L EC50
1-Methyl-2-pyrrolidone	500: 72 h Desmodesmus subspicatus mg/L EC50	832: 96 h Lepomis macrochirus mg/L LC50 static 4000: 96 h Leuciscus idus mg/L LC50 static 1072: 96 h Pimephales promelas mg/L LC50 static 1400: 96 h Poecilia reticulata mg/L LC50 static	4897: 48 h Daphnia magna mg/L EC50

Mobility

Chemical Name	Partition Coefficient
1-Methyl-2-pyrrolidone	-0.46

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes

Contact your supplier or a licensed contractor for detailed recommendations Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated Packaging

Dispose of in accordance with federal, state and local regulations Do not reuse container

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

TDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Water	Present	X		Present			X	Present	X	X
Sodium dioctyl sulfosuccinate	Present	X		Present		Present	X	Present	X	X
1-Methyl-2-pyrrolidone	Present	X		Present		Present	X	Present	X	X

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 313****SARA 311/312 Hazard Categories**

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
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)

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).

US State Regulations**California Proposition 65**

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

Chemical Name	California Proposition 65
1-Methyl-2-pyrrolidone	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania
1-Methyl-2-pyrrolidone	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

Class D, Div. 2



Chemical Name	NPRI
1-Methyl-2-pyrrolidone	X

16. OTHER INFORMATION**NFPA**
HMISHealth Hazards 1
Health Hazards 1Flammability 1
Flammability 1Stability 0
Physical Hazards 0**Special Hazards -**
Personal Protection B-
Safety Glasses, GlovesIssue Date 13-Mar-2012
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Revision Note New format**Disclaimer**

The information provided in this Material 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.

End of Safety Data Sheet