

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer** Professional Coatings, Inc.,  
100 Commerce Park Dr. Cabot, AR 72023

**Telephone** (501) 843-7509 **Fax** (501) 843-9261

**Product Names** ProCare Mold & Mildew Remover

**Product Identifier** PCMMR

**Recommended Use** Cleaning agent, disinfectant

**Restrictions on Use** For industrial/commercial use only

**Emergency Contact / Number** Chemtrec / (800) 424-9300 (US and Canada) / (703) 527- 3887 (outside US and Canada)

### SECTION 2: HAZARD IDENTIFICATION

#### Hazards

Oxidizing liquids Category 2 – May intensify fire; oxidizer

Corrosive to metals Category 1 – May be corrosive to metals

Skin corrosion/irritation Category 1B – Causes severe skin burns and eye damage

Serious eye damage/eye irritation Category 1 – Causes serious eye damage

Hazardous to the aquatic environment

- Acute Category 1 – Very toxic to aquatic life
- Long term Category 2 – Very toxic to aquatic life with long lasting effects



**Signal Word** DANGER

#### Precautionary Statements

##### Prevention

Keep away from heat. Keep only in original container. Do not breathe mist or vapor. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves, clothing, eye and face protection.

##### Response

If swallowed: Rinse mouth. Do not induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

##### Storage

Store away from incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Store in accordance with local, regional, national and international regulations.

##### Disposal

Dispose of contents and container in accordance with local, regional, national and international regulations.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#	Component Percent
Sodium hypochlorite	7681-52-9	10 – <12.5
Sodium hydroxide	1310-73-2	0.5 – <2.5
Non-hazardous ingredients	Various	Balance

#### SECTION 4: FIRST AID MEASURES

##### Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

##### Skin Contact

IF ON CLOTHING: Rinse contaminated clothing and skin immediately with plenty of water before removing clothes. Rinse skin with water or shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

##### Ingestion

Give water if victim is conscious. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical direction. Keep head below hips if vomiting occurs to prevent aspiration. Get medical attention if symptoms occur.

##### Inhalation

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents doesn't get into the lungs.

##### Most Important Symptoms / Effects

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

##### Indication of Immediate Medical Attention and Special Treatment if Necessary

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

#### SECTION 5: FIREFIGHTING MEASURES

##### Suitable and Unsuitable Extinguishing Media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Do not use water jet as an extinguisher as this will spread the fire.

##### Specific Hazards Arising from the Chemical

Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed.

##### Specific Protective Equipment and Precautions for Fire-Fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. In case of fire and/or explosion do not breathe fumes. In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### See Section 8 for Personal Protective Equipment

##### Personal Precautions

Keep unnecessary personnel away. Keep people away from and upwind of spill or leak. Keep away from clothing and other combustible materials. Wear appropriate protective equipment and clothing during cleanup. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

##### Environmental Precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

##### Methods for Cleaning Up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water.

Large Spills: Stop the flow of material if this is without risk. Dike the spilled material where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Prevent entry into waterways, sewer, basements or confined areas. Following product recovery flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleeced). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for reuse. For waste disposal see section 13 of this SDS.

**SECTION 7: HANDLING AND STORAGE**

See Section 8 for Personal Protective Equipment

**Handling and Storage**

Keep away from heat. Keep away from clothing and other combustible materials. Take precautions to avoid mixing with combustibles. Do not breathe the mist or vapor. Do not get in eyes, on skin or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Store locked up. Store in a cool, dry place out of direct sunlight. Store in corrosion resistant container with a resistant inner liner. Keep only in original container. Store in a well-ventilated place. Do not store near combustible materials. Store away from incompatible materials (see section 10).

**SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION****Exposure Limits**

Component Name	AIHA	ACGIH	NIOSH	OSHA
Sodium hypochlorite	2 mg/m <sup>3</sup> (WEEL*)	X	X	X
Sodium hydroxide	X	2 mg/m <sup>3</sup> (ceiling)	2 mg/m <sup>3</sup> (ceiling)	2 mg/m <sup>3</sup> (PEL)

\*workplace environmental exposure limit

**Biological Limit Values**

No biological exposure limits noted for the ingredients.

**Engineering Controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established maintain airborne levels to an acceptable level. Eyewash facilities and emergency shower must be available when handling this product. It is recommended that users of this product perform a risk assessment to determine the appropriate PPE.

**Eye and Face Protection**

Wear safety glasses or chemical safety goggles with side shields and a face shield. Do not get in eyes. Provide an emergency eyewash fountain and quick drench shower in the immediate work area.

**Skin and Hand Protection**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Wear appropriate chemical resistant clothing.

**Respiratory Protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene**

Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking, routinely wash work clothing and protective equipment to remove contaminants.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance/Physical State</b>	Clear to pale yellow liquid	<b>Flash Point (PMCC)</b>	Not Applicable
<b>Specific Gravity (Water=1)</b>	1.3 (20 °C)	<b>Upper Flammability Limits</b>	Not Applicable
<b>Evaporation Rate (ether = 1)</b>	Not Determined	<b>Lower Flammability Limits</b>	Not Applicable
<b>pH</b>	12 – 14 (1% in DI water)	<b>Auto-ignition Temperature</b>	Not Applicable
<b>Solubility in Water</b>	Complete	<b>Decomposition Temperature</b>	Not Determined
<b>Odor</b>	Chlorine	<b>Vapor Pressure</b>	12 mm Hg (12.5% NaOCl)
<b>Odor Threshold</b>	Not Determined		
<b>Melting/Freezing Point</b>	3 °F / 16.1 °C (12.5% NaOCl)	<b>Vapor Density (Air=1)</b>	Not Determined
<b>Initial Boiling Point and Range</b>	>230 °F / > 110 °C	<b>Partition Coefficient (n-octanol/water)</b>	Not Determined
<b>Critical Temperature</b>	Not Determined	<b>Viscosity (mPas, 20 °C)</b>	Not Determined

Note: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** Greatly increases the burning rate of combustible materials. Maybe corrosive to metals.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur.

**Conditions to Avoid:** Heat, contact with incompatible materials.

**Incompatible Materials:** Strong acids, acids, strong oxidizing agents, combustible materials, reducing agents, metals, bases, organic alkalis

**Hazardous Decomposition Products:** Chlorine, hydrogen chloride

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Inhalation:** May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

**Skin Contact:** Causes severe skin burns.

**Eye Contact:** Causes serious eye damage.

**Ingestion:** Causes digestive tract burns.

**Symptoms Related to the Physical, Chemical and Toxicological Characteristics**

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Permanent eye damage including blindness could result.

**Acute Toxicity Effects**

Sodium hypochlorite (10%): LD<sub>50</sub> (oral) – 24, 440 mg/kg (mouse, estimate); 27,600 mg/kg (rat, estimate)

Sodium chloride (CAS 7647-14-5): LD<sub>50</sub> (oral) – 4,000 mg/kg (mouse); 3,000 mg/kg (rat)

Sodium hypochlorite (CAS 7681-5209): LD<sub>50</sub> (oral) – 5,800 mg/kg (mouse); 8,910 mg/kg (rat)

**Skin Corrosion/Irritation**

Causes severe skin burns and eye damage.

**Serious Eye Damage/Eye Irritation**

Causes serious eye damage.

**Respiratory and Skin Sensitization**

Not a respiratory sensitizer. Not expected to cause skin sensitization.

**Germ Cell Mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**

IARC Monographs – Class 3, not classifiable as to carcinogenicity to humans

OSHA Regulate Substances (29 CFR 1910.1001-1050) – Not listed

**Reproductive Toxicity**

Not expected to cause reproductive or developmental effects.

**Specific Target Organ Toxicity (STOT)**

Single exposure – Not classified

Repeated exposure – Not classified

**Aspiration Hazard**

Not an aspiration hazard

**Chronic Toxicity Effects**

Prolonged inhalation may be harmful.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

Sodium hypochlorite (10%): EC<sub>50</sub> 40 mg/l (96 hours, nittocra spinipes fasciatus); 4 mg/l (96 hours, gammarus fasciatus); 1,861 mg/l (48 hours, daphnia); LC<sub>50</sub> 19.6 mg/l (96 hours, fish, estimate)

Sodium chloride: EC<sub>50</sub> 340.7 – 469.2 mg/l (48 hours, water flea (daphnia magna)); LC<sub>50</sub> 6,020 – 7, 070 mg/l (96 hours, fathead minnow (pimephales promelas))

Sodium hydroxide: EC<sub>50</sub> 34.59 – 47.13 mg/l (48 hours, water flea (ceriodaphnia dubia)); LC<sub>50</sub> 125 mg/l (96 hours, western mosquitofish (gambusia affinis))

Sodium hypochlorite: LC<sub>50</sub> 0.038 – 0.065 mg/l (96 hours, chinook salmon (oncorhynchus tshawytscha))

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal Instructions**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers or water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents or container in accordance with local, regional, national, international regulations.

**Local Disposal Regulations**

Dispose in accordance with all applicable regulations.

**Hazardous Waste Code**

D002: Waste Corrosive Material (pH <=2 or >=12.5 or corrosive to steel)

**Waste from Residues or Unused Product**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed on in a safe manner (see Disposal Instructions).

**Contaminate Packaging**

Emptied containers may retain product residue; follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling disposal.

**SECTION 14: TRANSPORT INFORMATION**

**Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.**

**U.S. DOT**

UN1791, hypochlorite solutions, Class 8, PG III

Special provisions: IB3, N34, T4, TP2, TP24 and 386

Packaging exceptions: 49 CFR 173.154 (less than 5 L per inner packaging may be shipped as LTD QTY; no HAZMAT Shipping Papers, emergency response information, UN / ID number, Proper Shipping Name, Hazard Label are not required for <1.3 gallons net; < 66 lbs gross via Road).

Packaging non-bulk: 49 CFR 173.203

Packaging bulk: 49 CFR 173.241

North America Emergency Response Guidebook (ERG) 154

**IATA**

UN1791, hypochlorite solution, Class 8, PG III

LTD QTY – 0.5 L per inner package. Dangerous Goods Declaration Required

Passenger and cargo aircraft: Allowed.

**IMDG**

UN1791, hypochlorite solution, Class 8, PG III

LTD QTY -

Only a marine pollutant if transported in bulk containers (> 119 gal / 450 L)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not established

**Label (DOT, IATA, IMDG)**



For LTD QTY



**If fully regulated (> 5 L per inner container)**

**SECTION 15: REGULATORY INFORMATION**

This product is a hazardous chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Federal Regulations**

<b>TSCA Section 12(b) Export Notification</b>	Not Regulated
<b>CERCLA Hazardous Substance (40 CFR 708, Subpt. D)</b>	sodium hydroxide – listed; sodium hypochlorite – listed
<b>SARA 304 Emergency Release Notification</b>	Not Regulated
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed
<b>SARA 302 Extremely Hazardous Substances</b>	Not listed
<b>SARA 311/312 Reporting Categories</b>	Fire, acute
<b>SARA 313 Reportable Ingredients</b>	None
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	Not Regulated
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not Regulated
<b>Safe Drinking Water Act (SDWA)</b>	Not Regulated

**FIFRA Information**

This chemical is a pesticide product registered by the U.S. Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (DS) and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is available. The pesticide label also includes other important information including directions for use.

**U.S. State Regulations**

California Candidate Chemicals: sodium hydroxide (CAS 1310-73-2)  
 California Controlled Substances, CA Department of Justice (California Health and Safety Code Section 11100): Not listed  
 Massachusetts RTK Substance List: sodium hydroxide (CAS 1310-73-2), sodium hypochlorite (CAS 7681-52-9)  
 New Jersey Worker and Community Right-to-Know Act: sodium hydroxide (CAS 1310-73-2), sodium hypochlorite (CAS 7681-52-9)  
 Pennsylvania Worker and Community Right-to-Know Act: sodium hydroxide (CAS 1310-73-2), sodium hypochlorite (CAS 7681-52-9)  
 Rhode Island RTK: sodium hydroxide (CAS 1310-73-2), sodium hypochlorite (CAS 7681-52-9)  
 California Proposition 65: This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

<b>Country</b>	<b>Inventory</b>	<b>On Inventory (yes/no) *</b>
United States, Puerto Rico	TSCA	Yes
Australia	AICS	Yes
Canada	DSL	Yes
Canada	NDSL	No
China	IECSC	Yes
Europe	EINECS	Yes
Europe	ELINCS	No
Japan	ENCS	Yes
Korea	ECL	Yes
New Zealand	NZ Inventory	Yes
Philippines	PICCS	Yes

\*Yes indicates all components of this product comply with the inventory requirements administered by the governing country(s).  
 No indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**SECTION 16: OTHER INFORMATION**

**HMIS** 3-0-2  
**NFPA** 3-0-1-OX

**Department Issuing SDS** Health and Safety

**Disclaimer**

**Important Notice to Purchaser.** The information in this publication is based on tests that we believe are reliable. Your results may vary due to differences in test types and conditions. You must evaluate and determine whether the product is suitable for your intended application. **Professional Coatings, Inc.’s** exclusive warranty is as follows: If **Pro-Coat** products are proved defective, the user’s exclusive remedy will be, at **Pro-Coat’s** option, to replace the defective **Pro-Coat** product or to refund the purchase price for the defective quantity. Except for the replacement or refund remedies, **Pro-Coat** is not liable for direct damages or liable for indirect, incidental or consequential damages, regardless of the legal theory asserted, including negligence and strict liability.

**ADDITIONAL COMMENTS**

We recommend that containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable federal, state and local laws and regulations. “EMPTY” drums should not be given to individuals. The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.