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## Safety Data Sheet Marbling M12 and M74

### I-IDENTIFICATION

#### 1.1 Product identifiers

Product Name: Marbling M12 and M74  
Synonyms : Pigment dispersion  
CAS Number : Not applicable, mixture

Revision Date 8/20/2015  
Print Date 8/20/2015

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Product use:** Textile printing

#### 1.3 Details of the supplier of the safety data sheet

PRO Chemical & Dye  
126 Shove Street  
Fall River, MA 02724

#### 1.4 Emergency telephone number

Emergency Telephone Numbers:  
800-255-3924 ChemTel. (United States)  
+ 1 01 813-248-0585 (Outside the United States)

### 2-HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

##### Description

Not classified

#### 2.2 GHS Label elements, including precautionary statements

##### Pictograms

None

##### Signal word

None

##### Hazard Statements

##### Statement

None

##### Precautionary Statements

##### Statement

None

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

### Statement

None

## 3- COMPOSITION/INFORMATION ON INGREDIETS

### 3.1 Substances

**Formula:** Not applicable, mixture.

**Molecular weight:** NA

**CASNo.:** NA

**EC No.:** NA

### Hazardous Components

Name	CAS	Classification	%
Ammonium Hydroxide	1336-21-6	H302; Acute Tox. 4 H314; Skin Corr. IB H318; Eye Dam. 1 H400; Aquatic Acute 1	<1

## 4-FIRST AID PROCEDURES

### 4.1 Description of first aid measures

Condition	Recommendation
General advice	Consult a physician. Show this safety data sheet to the doctor in attendance out of dangerous area.
If Inhaled	Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician
In case of skin contact	Wash the affected area thoroughly with soap and water
In case of eye contact	Flush eyes with plenty of water for at least 5 minutes. Flush longer if there is an indication of residual chemical in the eye.

### 4.2 Most important symptoms and effects, both acute and delayed

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## 5-FIRE FIGTHING MEASURES

### 5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides and other noxious fumes

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4 Further information

No data available

## 6-ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### 6.3 Methods and materials for containment and cleaning up

Soak up large spill residue. Sweep **up** and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

## 7-HANDLING & STORAGE

### 7.1 Precautions for safe handling:

Avoid contact with eyes. Avoid prolonged repeated skin contact and breathing mists/vapors. Use in well ventilated area:

### 7.2 Conditions for safe storage, including incompatibilities:

Store in closed container. Keep from freezing.

### 7.3 Specific end use(s);

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8-EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

CAS	Reference	Value
1336-21-6	Ammonium Hydroxide	OSHA(PEL)50ppm ACGIH(TLV) 25 ppm STEL 35ppm NIOSH (REL) 25ppm 10hr work-shift, 35 ppm for 15m exposure period

### 8.2 Exposure controls Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### Personal protective equipment Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Personal protective equipment to the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling the product.

**Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Do not let product enter drains

**9-PHYSICAL & CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

<b>Description</b>	<b>Value</b>	<b>Details if any</b>
Appearance	Yellow Liquid	
Odor	Slightly ammonia	
pH	8-11	
Melting/Freezing Point	0°C-32°F	
Boiling Point	100°-212F	
Flash Point	Not at boil	ASTM D-93 (closed cup)
Evaporation Rate (water=1)	1	
Upper/Lower Explosive Limits	None	
Vapor pressure	17.5 mm/Hg @ 20°C	
Vapor Density (Air = 1)	<1	
Specific Gravity	1.20	
Partition Coefficient	Not determined	
Solubility (water)	Dispersible	
Auto Ignition Temp.	Not Determined	
Decomposition Temp.	Not determined	
Viscosity	1000-4000	Brookfield #6 spindle @ 20rpm
Volatiles	70 +/- 3	
VOC's	<1	Calculated

## 9.2 Other safety information

No data available

## 10-STABILITY AND REACTIVITY

### 10.1 Reactivity

Product is stable

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Excessive heat, do not freeze.

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products Other decomposition products

No data available In the event of fire: see section 5

## 11-TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Toxicity

##### Description

Ammonium Hydroxide - LD50 - Oral rat - 350 mg/g

#### Other information on acute toxicity

No data available

Skin corrosion/irritation

##### Description

Not available

#### Serious eye damage/eye irritation

##### Description

Not available

#### Respiratory or skin sensitization

##### Description

Not available

#### Germ cell mutagenicity

Not available

### **Carcinogenicity**

The following components of this product are present at levels greater than or equal to 0.1 is identified as a carcinogen by the following agencies.

<b>Description</b>	<b>%</b>	<b>IARC</b>	<b>ACGIH</b>	<b>NTP</b>	<b>OSHA</b>
None					

### **Reproductive toxicity**

#### **Teratogenicity**

##### **Description**

Not available

##### **Specific target organ toxicity: single exposure (Globally Harmonized System)**

##### **Description**

Not available

##### **Specific target organ toxicity- repeated exposure (Globally Harmonized System)**

##### **Description**

Not available

### **Aspiration hazard**

##### **Description**

Not available

### **Potential health effects**

#### **Hazard**

#### **Description**

Inhalation

No data available

Ingestion

No data available

Skin

No data available

Eyes

No data available

### **Signs and Symptoms of Exposure**

No data available

### **Synergistic effects**

No data available

### **Additional Information**

RTECS: Not available

## **12-ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

#### **Description**

##### **Ammonium hydroxide 28-30% W/W**

LC50 fishes 1 0.16 - 1.1 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); SOLUTION >=50%)

LC50 other aquatic organisms 1 1 - 10 mg/l (96 h; SOLUTION >=50%)

LC50 fish 20.75 - 3.4 mg/l (96 h; Pimephales promelas; SOLUTION >=50%)

TLM fish 1 47 ppm (48 h; Salmo gairdneri (Oncorhynchus mykiss); COOL WATER)

TLM fish 234 ppm (48 h; Salmo gairdneri (Oncorhynchus mykiss); WARM WATER)

TLM other aquatic organisms 1 20 ppm (100 h; Daphnia magna)

Threshold limit other aquatic organisms 20.0012 mg/l (Oncorhynchus gorbuscha; SOLUTION >=50%)

**12.2 Persistence and degradability**

**Description**

**Ammonium Hydroxide 28-30% w/w**

Readily biodegradable in water. Ozonation in water. Biodegradable in the soil. No (test) data on mobility of the components of the mixture available. Ozonation in the air. :

**Carbon black**

**12.3 Bioaccumulative potential**

**Description**

No data available

**12.4 Mobility in soil**

**Description**

**Not available**

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects**

No data available

**13 – DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product. Container for disposal according to local regulations

**14- TRANSPORT INFORMATION**

<b>Agency</b>	<b>Classification</b>
<b>Land (DOT)</b>	Not regulated
<b>Sea (IMDG)</b>	Not regulated
<b>Air (ICAO/IATA)</b>	Not regulated

**15 – REGULATORY INFORMATION**

**U.S. Federal Regulations**

**Description**

None

**CAS-No.**

**Revision Date**

**SARA 302 Components**

**Description**

None

**CAS-No.**

**Revision Date**

**SARA 313 Components**

**Description**

None

**CAS-No.**

**Revision Date**

**SARA 311/312 Components**

**Description**

Not available

**Massachusetts Right To Know Component**

Description	CAS-No.	Revision Date
None		

**Pennsylvania Right To Know Components**

Description	CAS-No.	Revision Date.
None		

**New Jersey Right To Know Components**

Description	CAS-No.	Revision Date
None		

**California Prop. 65 Components**

Warning: The following ingredients in the product are known to the state of California to cause Cancer:

Description	CAS-No.	%
None		

**16-OTHER INFORMATION****Full text of H-Statements referred to under sections 2 and 3.**

None

<b>HMIS</b>		<b>NFPA</b>	
<b>Hazard</b>	<b>Rating</b>	<b>Hazard</b>	<b>Rating</b>
Health	1	Health	1
Flammability	0	Flammability	0
Reactivity	0	Reactivity	0
Personal Protection	B		

**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

**Preparation Date:** 6/18/2015**Last revision date:** 8/20/2015