



# MATERIAL SAFETY DATA SHEET

## 1. COMPANY AND PRODUCT IDENTIFICATION

**DUNCAN ENTERPRISES**  
5673 East Shields Avenue  
Fresno, CA 93727  
559-291-4444  
559-291-9444 (Fax)

### EMERGENCY TELEPHONE NUMBERS

Health Emergency: 559-291-4444 7:00 am – 3:30 pm  
Pacific Standard Time  
Spill and Off-Hour  
Health Emergencies: 800-424-9300 U.S. and Canada  
703-527-3887 Outside U.S. and  
Canada (Collect)

**Product Name:** SY548 MASK & PEEL and SY555 WRITE & PEEL

**Product Description:** Natural Latex Resist

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

The ingredients in this formulation are a trade secret. All ingredients in the formula are non-hazardous, unless specified in Sections 3 and 15.

## 3. HAZARDS IDENTIFICATION

### HMIS Hazard Ratings for Product

Health: 2 0 = Minimal  
Flammability: 0 1 = Slight  
Reactivity: 0 2 = Moderate  
Personal Protection: See Section 8 3 = Serious  
4 = Severe  
\* = Chronic Effects

| Hazardous Ingredients            | CAS Number | OSHA |         | ACGIH  |        |
|----------------------------------|------------|------|---------|--------|--------|
|                                  |            | TWA  | STEL    | TWA    | STEL   |
| Ammonia<br>* Cal OSHA PEL 25 ppm | 7664-41-7  | N/E  | 35 ppm* | 25 ppm | 35 ppm |

### Emergency Overview

Water based liquid with ammonia odor. Although not combustible, this liquid will burn if involved in a fire, releasing hydrocarbon products of combustion. Inhalation of ammonia may cause respiratory tract irritation, coughing, sore throat, and labored breathing. Skin contact may cause irritation and redness.

This product contains natural latex. Persons allergic to natural latex should not use or be otherwise exposed to this product.

## 4. FIRST AID MEASURES

**Eye Contact:** Flush eyes with large amounts of water until irritation subsides. Consult a physician if irritation persists.

**Skin Contact:** Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

**Inhalation:** Move subject to fresh air, get medical attention.

**Ingestion:** If swallowed, give two glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

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### 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Autoignition Temperature:</b>        | Unknown  |
| <b>Flash Point:</b>                     | Not Determined   |
| <b>Flammable limits in air:</b>         | None   |
| <b>Extinguisher Media:</b>              | Water, CO <sub>2</sub> or Dry Chemical for dried film  |
| <b>Special Firefighting Procedures:</b> | Wear self-contained breathing apparatus approved by NIOSH.<br>Use water spray to keep containers cool, to keep spillage away from fire and heat, and to knock down vapors. |
| <b>Fire &amp; Explosion Hazards:</b>    | Burning dry latex produces dense, black smoke with the potential for toxic vapors.   |
| <b>Hazardous Combustion Products:</b>   | Combustion may produce toxic gases such as oxides of carbon.   |

### 6. ACCIDENTAL RELEASE MEASURES

#### Spill or Leak Procedures

Confine spill to prevent contamination of sewer system or groundwater. Absorb liquid onto an appropriate absorbent. Spillage will cause slippery conditions. This material contains hazardous ingredients. Local, state, and federal regulations must be consulted to determine correct disposal method.

### 7. HANDLING AND STORAGE

|                             |  |
|-----------------------------|--|
| <b>Storage Temperature:</b> | Avoid temperature extremes; keep from freezing   |
| <b>Handling / Storage:</b>  | Keep container sealed when not in use; mixing without introduction of air may be necessary before use. |

### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

When permissible exposure limits (PEL) are exceeded, use mask supplied with external air or other NIOSH – approved respiratory protection.

Vinyl or rubber gloves

Chemical safety goggles

Safety shower and eye wash stations in work area

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                              |
|---|------------------------------|
| <b>Appearance / Physical Description:</b> | Colored liquid; ammonia odor |
| <b>pH:</b>                                | 8 - 10                       |
| <b>Boiling Point:</b>                     | 212°F                        |
| <b>Melting / Freezing Point:</b>          | 32°F                         |
| <b>Solubility in Water:</b>               | Miscible                     |
| <b>Specific Gravity (Water = 1):</b>      | 0.9 – 1.0                    |
| <b>Bulk Density:</b>                      | 7.5 – 8.3 lb / gal           |
| <b>Volatiles:</b>                         | > 40%                        |
| <b>Evaporation Rate (Water = 1):</b>      | 1                            |
| <b>Vapor Pressure:</b>                    | 17.5 mm Hg @ 20°C (68°F)     |

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**10. STABILITY AND REACTIVITY**

**Stability:** Stable  
**Incompatibilities:** Solvents, acids, metal salts and other compounds which may coagulate latex; keep from freezing  
**Hazardous Decomposition Products:** Thermal decomposition may produce toxic gases  
**Hazardous Polymerization:** Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Potential Health Effects**

**Acute:** The main hazard arises from inhalation of ammonia, which can be released, on standing in an open container or on agitation. The ammonia arises from normal breakdown of ammonium hydroxide, which is used to stabilize natural latex. Inhalation of ammonia may cause irritation to the respiratory tract. Symptoms may include coughing, sore throat, and labored breathing. High concentrations may cause laryngitis, tracheitis, pulmonary edema, chest pains, or pneumonitis. Symptoms are generally reversible.

Due to the caustic content of the mixture, eye contact may cause irritation with discomfort, tearing, or blurred vision. Skin contact may cause temporary irritation and redness. No information on effects of ingestion could be found, but some gastrointestinal distress would be expected. This mixture contains materials, which in their pure state constitute a dust hazard. In the present form they will not dust.

**Chronic:** Contains < 0.1% Sodium o-phenylphenate which is listed as a potential carcinogen by IARC. It has been shown to cause bladder tumors when fed at exaggerated doses to rats.

**12. ECOLOGICAL INFORMATION**

No Applicable Data

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** Waste disposal should be in accordance with existing Federal, State, and Local environmental regulations.  
**Empty Container Warnings:** Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

**14. TRANSPORT INFORMATION**

**U.S. Department of Transportation Information**

**DOT Shipping Name:** Paints or Stains 149980 Sub. 2  
**DOT Hazard Class:** Non-hazardous  
**DOT Reportable Quantity:** None

**United Nations Information**

**U.N. Number:** None  
**U.N. Class:** None

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### 15. REGULATORY INFORMATION

**TSCA:** All components are on the TSCA Inventory  
**FDA:** 21CFR175.105  
**SARA/Title III:** 311/312 Hazard Categories: Immediate health hazard  
313: The following are toxic chemicals subject to SARA Section 313  
(40 CFR 372) Reporting Requirements:  
Ammonia CAS # 7664-41-7 Below De Minimis Concentration

**California Proposition 65:** This product contains trace amounts of materials cited in California's 1986 Safe Drinking Water and Toxic Enforcement Act:

|                        |             |
|------------------------|-------------|
| Chromium               | < 0.052 ppm |
| Lead                   | < 0.037 ppm |
| Cadmium                | < 0.317 ppm |
| Sodium o-phenylphenate | 205 ppm     |



Products bearing the Nontoxic Product Seal are certified in a program of toxicological evaluation by a nationally recognized toxicologist to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. These products are certified to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236. In addition, there is no physical hazard as defined within 29 CFR Part 1910.1200(c).

### 16. OTHER INFORMATION

#### Table of Abbreviations

|                |  |
|----------------|--|
| <b>ACGIH</b>   | American Conference of Governmental Industrial Hygienists            |
| <b>ANSI</b>    | American National Standards Institute                                |
| <b>ASTM</b>    | American Society for Testing Materials                               |
| <b>°C</b>      | Degrees Centigrade   |
| <b>CAS</b>     | Chemical Abstract Service  |
| <b>CERCLA</b>  | Comprehensive Environmental Response, Compensation and Liability Act |
| <b>CFR</b>     | Code of Federal Regulations  |
| <b>CPR</b>     | Controlled Products Regulations                                      |
| <b>DOT</b>     | Department of Transportation   |
| <b>EPA</b>     | Environmental Protection Agency                                      |
| <b>°F</b>      | Degrees Fahrenheit   |
| <b>FDA</b>     | Food & Drug Administration   |
| <b>g / l</b>   | Grams per liter  |
| <b>Hg</b>      | Mercury  |
| <b>HMIS</b>    | Hazardous Materials Identification System                            |
| <b>IARC</b>    | International Agency for Research on Cancer                          |
| <b>LD</b>      | Lethal Dose  |
| <b>mg / kg</b> | Milligram per kilogram   |
| <b>mm</b>      | Millimeter   |
| <b>MSDS</b>    | Material Safety Data Sheet   |
| <b>MSHA</b>    | Mine Safety and Health Administration                                |
| <b>N / A</b>   | Not Applicable   |
| <b>NFPA</b>    | National Fire Protection Association                                 |
| <b>NIOSH</b>   | National Institute for Occupational Safety and Health                |
| <b>NTP</b>     | National Toxicology Program  |

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**16. OTHER INFORMATION (Continued)**

**Table of Abbreviations (Continued)**

|              |  |
|--------------|--|
| <b>OSHA</b>  | Occupational Safety and Health Administration    |
| <b>ppm</b>   | Parts per million                                |
| <b>SARA</b>  | Superfund Amendment and Reauthorization Act      |
| <b>STEL</b>  | Short-Term Exposure Limit                        |
| <b>TSCA</b>  | Toxic Substances Control Act                     |
| <b>TWA</b>   | Time - Weighted Average                          |
| <b>U.N.</b>  | United Nations                                   |
| <b>WHMIS</b> | Workplace Hazardous Materials Information System |
| <b>&gt;</b>  | Greater Than                                     |
| <b>&lt;</b>  | Less Than  |

**Creation Date:** 09/96  
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**Technical Contact:** Frank Peters  
Craft Paint Development Manager  
Duncan Enterprises  
5673 East Shields Avenue  
Fresno, CA 93727  
559-291-4444  
559-291-9444 (Fax)

**Disclaimer**

The information given and the recommendations made herein apply to our product(s) alone and not combined with any other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.