# MATERIAL SAFETY DATA SHEET

Product: Crystalbond 555-HMP

Revision Date: 1/03/2012

# 1. MATERIAL IDENTIFICATION

**Product Name:** Crystalbond 555-HMP

**Product Description:** Pale Yellow, Solid Stick, Mild Odor, Nonionic Surfactant, Alkyl Phenol Ethoxylate

**Product Use:** Temporary Mounting Adhesive

Manufacturer: Aremco Products. Inc.

> 707-B Executive Blvd. Valley Cottage, NY 10989

845-268-0039 Telephone:

845-268-0039 or Infotrac (24/7) 800-535-5053 **Emergency Phone:** 

#### 2. COMPOSITION

Ingredient	CAS#	ACGIH TLV (mg/m <sup>3</sup> )	OSHA PEL (mg/m <sup>3</sup> )
Nonylphenol 100 moles ethoxylate	9016-45-9	10	N/E

### 3. HAZARDS IDENTIFICATION

Primary Route of Exposure: Eve, skin, and inhalation.

Eye Contact: May cause irritation, experienced as mild discomfort and seen as slight excess redness of the eye. Skin Contact: Brief contact may cause slight irritation. Acute (short term) adverse effects are not expected from

Inhalation Acute: Dust may cause irritation of the nose and throat. Overexposure to high concentrations of dust may

cause respiratory irritation, experienced as coughing and difficulty breathing. Moderately toxic. May cause abdominal discomfort, nausea, vomiting, and diarrhea.

Chronic Hazards: No adverse effects have been documented in humans as a result of chromic exposure. Not listed on

NTP, IARC or OSHA as carcinogen.

Physical Hazards: Hot wax can cause burns to eyes and skin. Spilled material is slippery. Dries to form a waxy film.

HMIS: Health:

Flammability: 1 Reactivity: n Personal Protection: Н

# 4. FIRST AID MEASURES

### Eye Exposure:

Inaestion Acute:

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If a physician is not immediately available, eye irrigation should be continued for an additional 15 minutes. Hot fluid product: Cool burns with plenty of low-pressure water and get immediate medical attention.

### Skin Exposure:

Immediately wipe excess material off skin with a dry cloth then wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes and clean thoroughly before re-use. Hot Fluid: Immediately cool skin with water and cold packs for at least 15 minutes. Do not put ice directly on skin. Do not attempt to remove solidified wax from the skin as severe tissue damage may result. Get immediate medical attention.

#### Inhalation:

Remove from immediate source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR). If breathing is difficult, administer oxygen if available. Seek medical attention.

#### Ingestion:

If swallowed, do not induce vomiting. If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention immediately. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

#### Medical Conditions Possibly Aggravated by Exposure:

Inhalation of product may aggravate existing chromic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

# **5. FIRE FIGHTING MEASURES**

Flash Point: 275 °C (527 °F)
Flammable Limits: Not determined.

Extinguishing Media: Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames. Use water spray to cool

fire-exposed containers. Water or foam may cause frothing.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved positive pressure breathing apparatus with full face-

piece and full chemical resistant protective clothing. Dike area to prevent runoff and contamination of

water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards: None.

### **6. ACCIDENTAL RELEASE MEASURES**

Personal Protection: Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber

boots. Use NIOSH approved respirator where mist occurs.

Spill Cleanup: Avoid breathing dust. Use vacuuming or sweeping compound for cleanup. Do not dry sweep or use

methods that increase dusting. Prevent entry into sewers and waterways. Flush area with water to

complete cleanup.

# 7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing dust and vapors generated when melted.

Keep container closed. Promptly clean residue from closures with cloth dampened with water.

Promptly clean up spills.

Storage: Store in an area that is cool, dry, and well ventilated. Water contamination should be avoided. Store

in clean plastic or steel containers.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should

be within direct access.

Respiratory Protection: Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated,

appropriate personal protection equipment and local ventilation controls must be employed. If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-

contained NIOSH-approved dust and mist respirator is required.

**Skin Protection:** Wear body-covering protective clothing and gloves.

**Eye Protection:** Wear chemical goggles.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:SolidColor:Pale YellowOdor:Mild OdorpH:7Specific Gravity, g/cc1.08Water Solubility:SolubleMelting Point:136-145 °F

Water Solubility:SolubleMelting Point:136-145 °FBoiling Point:Not DeterminedVapor Pressure:Not Applicable

Vapor Density (air=1): > 1

**VOC Content, g/l:** Not Determined

#### 10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under all conditions of use and storage.

Conditions to Avoid: None Materials to Avoid: None.

Hazardous Decomposition Products: Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones may be formed on

burning. Heating in air may produce irritating aldehydes, acids, and ketones.

Hazardous Polymerization: Will not occur.

# 11. TOXICOLOGICAL INFORMATION

**Animal Toxicity Data:** LD<sub>50</sub> Believed to be > .5.00 g/kg (rat) practically non-toxic

> Inhalation: Not determined

Dermal: LD<sub>50</sub> Believed to be > 2.00 g/kg (rabbit) practically non-toxic

Estimation of Irritation (Species): Skin: (Draize) Believed to be > .50-3.00/8.0 (rabbit) slightly irritating

(Draize) Believed to be > 15.00-25.00/110 (rabbit) slightly irritating. Eyes:

Sensitization: Not determined

Other: This product may contain residual (less than 100 ppm) concentrations of ethylene oxide. Ethylene

oxide causes tumors in laboratory animals.

# 12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Not determined Mobility: Not determined Persistence & Biodegradability: Not determined Not determined Potential to Bioaccumulate:

# 13. DISPOSAL CONSIDERATIONS

Disposal Method: Dispose in accordance with federal, state and local regulations and permits.

### 14. TRANSPORTATION INFORMATION

**DOT UN Status:** The material is not a regulated hazardous material for transportation.

### 15. REGULATORY INFORMATION

# **U.S. Federal Regulations**

TSCA: All ingredients of this material are listed on the TSCA inventory.

**CERCLA:** Chemical Name CAS Number RQ Range in % 0.001 10

Residual ethylene oxide (typical) 75-21-8

SARA Title III

Sections 302, 304, 313: **CAS Number TPQ** Chemical Name Range in % RQ

Residual ethylene oxide (typical) 75-21-8 0.001 1000

Sections 311, 312:

**Hazard Classes** Yes/No Fire Hazard No Reactivity Hazard No Pressure Hazard No Immediate Hazard Yes Delayed Hazard No

International Inventory Status

Canada (DSL) Yes

Europe (EINECS/ELINCS) Not determined

Australia (AICS) Yes

Japan (MITI) Not determined

South Korea (KECL) Yes

# **16. OTHER INFORMATION**

NFPA: Health: 1

Flammability: 1 Reactivity: 0

#### **Key Legend Information**

ACGIH American Conference of Governmental Industrial Hygienists

ARD International Agency for Research on Cancer

CAS Chemical Abstract Service

CERCLA Comprehensive Environmental Response, Compensation & Liability Act

**DSL** Domestic Substance List

HMIS Hazardous Materials Identification System

ND Not Determined NE Not Established

NFPA National Fire Protection Association

NIOSH National Institute for Occupational Safety & Health

NTP National Toxicology Program

OSHA Occupational Safety and Health Administration

PEL Permissable Exposure Limit

RTECS Registry of Toxic Effects of Chemical Substances
SARA Superfund Amendments & Reauthorization Act
SARA Title III Emergency Planning & Community Right to Know Act

SARA Section 302 Extremely Hazardous Substances

SARA Section 304 Emergency Release

SARA Section 311 MSDS/List of Chemicals & Hazardous Inventory

SARA Section 312 Emergency & Hazardous Inventory
SARA Section 313 Toxic Chemicals & Release Reporting

STEL Short Term Exposure Limit TLV Threshold Limit Value TWA Time Weighted Average

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