1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
Product name      Vanilla Fragrance
Effective Date      18 Feb 2008
Emergency telephone number   800-697-2989

2. COMPOSITION/INFORMATION ON INGREDIENTS
Component CAS No. WT%
Polyvinyl Chloride Resin 9002-86-2 99.5 - 99.9%
Proprietary Additives xx-xx-x 0.1-0.5%

3. HAZARDS IDENTIFICATION
POTENTIAL HEALTH EFFECTS
Primary Routes of Exposure: Inhalation of process emissions during periods of elevated temperature.
Eye: Solid or dust may cause irritation or scratch the surface of the eye.
Skin Contact: Not considered hazardous by this route.
Skin Absorption: This material is a dry solid powder; no absorption is likely to occur.
Ingestion: No effect expected. If large amount is ingested get medical attention.
Inhalation: Inhalation of process emissions can cause throat and lung irritation. Exposure to low levels of PVC dust is not expected to present a hazard.

4. FIRST AID MEASURES
Inhalation
No adverse effects anticipated by breathing small amounts during proper industrial handling. If high dust exposure occurs remove victim to fresh air.

Skin Contact
Wash off in flowing water or shower.

Eye Contact
Immediately flush with water for at least 15 minutes. Do not rub the eyes. Obtain medical attention if eye irritation occurs.

Ingestion
This material is practically inert. If, however, ingestion does occur vomiting can be induced
after diluting with water or milk. Call a physician for additional medical advice.

5. FIRE FIGHTING MEASURES
Flash Ignition Temperature   >730°F

Flammable Limits (% By Vol.)
Lower Explosive Limit (LEL)    Not Applicable
Upper Explosive Limit (UEL)    Not Applicable
Autoignition Temperature      Not Applicable

Fire Fighting Procedures/Fire Extinguishing Media
Carbon dioxide or water.

Unusual Fire and Explosion Hazards
Dense smoke emitted when burned without sufficient oxygen. PVC will not continue to burn after ignition without an external fire source. Do not allow fire fighting runoff water to enter streams, rivers or lakes. The water will collect HCl from the by-products of combustion.

Fire-Fighting Equipment
Wear full bunker gear including a positive pressure self-contained breathing apparatus in any closed space.

6. ACCIDENTAL RELEASE MEASURE
Protect People
Signs/symptoms of overexposure: Health hazard of polyvinyl chloride may result in asthma syndrome. Check OSHA 29 CFR 1910. 1017. Material contains vinyl chloride, which is a cancer suspect agent. When opening truck or railcar for unloading, ventilate before entering.

Protect the Environment
Sweep or vacuum material and dispose of in accordance with applicable federal, state and local regulations. Temperatures above 3000°F will decompose raw resin and liberate HCl.

Clean Up
See MSDS Section 15 for Regulatory Information.

7. HANDLING AND STORAGE
Avoid contact with eyes. Avoid breathing dust. Minimize dust generation and accumulation. Store in dry protected area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Engineering Controls
May be necessary to provide general and/or local ventilation to help maintain airborne concentrations below exposure guidelines. Local exhaust ventilation should comply with OSHA regulations and the American Conference of Industrial Hygienists, *Industrial Ventilation - A Manual of Recommended Practice*.

Respiratory Protection
For most conditions, no respiratory protection should be needed. However, if dust is produced during handling, a NIOSH-approved air purifying filter respirator that meets the requirements of 29 CFR 1910.134 should be used. Full-face self-contained breathing apparatus may be needed when dealing with vapors from combustion of product. Respirators must be selected based on the airborne levels found in the workplace and must not exceed the working limits of the respirator.

Eye Protection
Use safety glasses. If there is a potential for exposure to particles that could cause mechanical injury to the eye, wear chemical goggles.

Skin Protection
No precautions other than clean clothing should be needed.

Exposure Guidelines
No exposure limits have been established for this material. It is recommended that exposure be kept below the limits for Nuisance Dust (PNOC):

9. **PHYSICAL AND CHEMICAL PROPERTIES**

   Appearance          White powder
   Odor                Odorless
   Boiling Point, Melting Point, Freezing Point Not Applicable
   Specific Gravity    1.39 (Water = 1.0)
   Vapor Pressure      <0.1 mmHg
   pH                  Not Applicable – Solid

10. **STABILITY AND REACTIVITY**

    Stability
    Stable under normal conditions

    Polymerization
    Hazardous polymerization will not occur.
Hazardous Decomposition Products
Temperatures of 300°F (150°C) over an extended period of time may cause thermal degradation of PVC resin. The formation of hydrogen chloride, HCl, may be generated during this thermal degradation. HCl vapors may cause irritation of the eyes, mucous membrane and respiratory tract.

Incompatible Materials
Polyvinyl chloride materials should not come into contact with acetal or acetal copolymers in elevated temperature processing equipment. The two materials are not compatible and will react in a violent decomposition when mixed under conditions of heat or pressure. Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION
Animal Toxicity
Oral:    Rat, TDLO 210g/kg/30W-C: Equivocal tumorigenic agent
Inhalation: Mouse, LC50 140 mg/M3/10M
Implant:   Rat, TDLO 75 mg/kg: Equivocal tumorigenic agent

TDLO = Lowest toxic dose in a given species by a given route of exposure.
LC50 = Concentration that is lethal to 50% of a given species by a given route of exposure.

Rodents exposed to PVC by dietary or inhalation routes for 6 to 24 months have shown no significant toxicological effects.

While PVC is generally considered an inert polymer, exposure to PVC dust has been reported to cause lung changes in animals and humans, including decreased respiratory capacity and inflammation. However, exposures approaching the nuisance dust exposure limits are not anticipated to pose a significant health risk.

12. ECOLOGICAL INFORMATION
Environmental Fate:
Aquatic:    No data available
Biodegradation: Not subject to biodegradation

Ecotoxicity: Based on the high molecular weight of this polymeric material, transport of this compound across biological membranes is unlikely. Accordingly, the probability of
environmental toxicity or bioaccumulation in organisms is remote. Due caution should be exercised to prevent the accidental release of this material to the environment.

13. DISPOSAL CONSIDERATIONS
Waste Management Information: Do not dump into any sewers, on the ground, or into any body of water. Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules). Waste characterization and compliance with applicable laws are the responsibility of the waste generator.

14. TRANSPORTATION INFORMATION
Proper Shipping Name    Polyvinyl Chloride
DOT - Hazard Class      None
DOT - Shipping ID No.   None
DOT - Labeling          None

15. REGULATORY INFORMATION
Always check with local regulatory authorities.
It is the responsibility of the purchaser to ensure that this material is used in compliance with the applicable local laws and regulations.

16. OTHER INFORMATION
The information in this data sheet is to the best of our knowledge true and accurate, but all data, instructions and/or suggestions are made without guarantee.
These statements are solely for the above-mentioned product and should help to take adequate safety precautions.
This "Safety Data Sheet" replaces all previous ones.