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MATERIAL SAFETY DATA SHEET

TECAMID™ Nylon 6/12

EMERGENCY TELEPHONE: 724-746-6050 or 856-227-0500
Issue Date: September 1, 1985
Revised Date: August 23, 2004
COMMON NAME: Nylon 6/12
CHEMICAL NAME: Polyhexamethylene dodecanamide

1. Composition / Information on Ingredients

Components Material	CAS Number	%
Polyhexamethylene Dodecanamide	26098-55-5	>97
Non-Regulated Colorants, Lubricants & Stabilizers		<3

Components (Remarks)

All ingredients comprising this resin are bound in a thermoplastic polymer. These substances do not present a respiration hazard unless the polymer is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled in sufficiently high concentrations. Good industrial hygiene practices, as with all dusts, should include precautions to prevent inhalation of respirable particles.

Material is not known to contain Toxic Chemicals under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

2. Hazards Identification

Potential Health Effects

Polyhexamethylenen Dodecanamide (Nylon 612)
 No adverse effects are expected from occupational exposures.
 Significant skin permeation after contact appears unlikely. There are no reports of human sensitization.

3. First Aid Measures

First Aid

INHALATION: No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary. If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician if symptoms persist.
SKIN CONTACT: The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. If molten polymer gets on skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical treatment for thermal burn.
EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
INGESTION: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician if necessary.

4. Fire Fighting Measures

Flammable Properties

Flash Point Not Applicable
 Large molten masses may ignite spontaneously in air. Water quenching of such masses is good practice.
 Hazardous gases/vapors produced in fire are: ammonia, carbon monoxide; small amounts of hydrogen

cyanide and aldehydes.

Extinguishing Media

Water, Foam, Dry Chemical, CO₂

Fire Fighting Instructions

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.

5. Accidental Release Measures

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) section before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Clean Up

Sweep up to avoid slipping hazard.

6. Storage and Handling

Handling (Personnel)

See FIRST AID and PERSONAL PROTECTIVE EQUIPMENT sections.

Storage

Store in a cool, dry place. Keep containers tightly closed to prevent moisture absorption and contamination.

7. Personal Protection/Exposure Controls

Engineering Controls

Use local ventilation to control fumes from hot processing.

Personal Protective Equipment

EYE/FACE PROTECTION

Wear safety glasses. Wear coverall chemical splash goggles and face shield when possibility exists for eye and face contact due to splashing or spraying of molten material. A full face mask respirator provides protection from eye irritation.

RESPIRATORS

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge with a dust/mist filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

PROTECTIVE CLOTHING

If there is potential contact with hot/molten material, wear heat resistant clothing and footwear.

Exposure Guidelines

Exposure Limits

PEL (OSHA)	Particulates (Not Otherwise Regulated)
	15 mg/m ³ , 8 hr. TWA, total dust
	5 mg/m ³ , 8 hr. TWA, respirable dust

8. Toxicological Information

Animal Data

Nylon 612

Oral LD50: > 10,000mg/kg in rats

Nylon 612 is not a skin irritant or eye irritant in animal tests.

Nylon 612 cause no adverse effects when administered to animals in their diets.

No animal test reports are available to define carcinogenic, mutagenic, developmental, or reproductive hazards

9. Ecological Information

Ecotoxicological Information

AQUATIC TOXICITY:

Toxicity is expected to be low based on insolubility in water. Do not discharge to streams, ponds, lakes, or sewers.

10. Disposal Considerations

Waste Disposal

Preferred options for disposal are (1) recycling, (2), incinerations with energy recovery, and (3) landfill. The high fuel value of the product makes option 2 very desirable for material that cannot be recycled. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe this information to be correct but cannot guarantee its accuracy or completeness. Health and safety precaution in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulation. No statement made in the data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.