GARE 53

Material Safety Data Sheet
May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY *(as Used on Label and List)*
Gare SY-4436 Masque-All

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name	Emergency Telephone Number
Gare Inc.	**Regional Poison Control Center (Poisondex System)**
Address *(Number, Street, City, State and ZIP Code)*	Telephone Number for Information **978-373-9131**
165 Rosemont Street	Date Prepared **November 2004**
Haverhill, MA 01831	Signature of Preparer *(optional)*

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Ammonia Hydroxide (Ammonia) Cas# 1336-21-6			**< 1.0**	

CAUTION
READ WARNING
CONFORMS TO ASTM D 4236

This material has been evaluated under the provision of LHAMA (Labeling of Hazardous Art Materials Act) and California Proposition 65 by a board certified toxicologist. This product was judged to be (*acutely, chronically*) *toxic or flammable* under the proposed use conditions.

A special warning label is required under the provision of *LHAMA and/or California Proposition 65 (label information)*.

The label should state, "Conforms to ASTM D 4236"

Section III—Physical/Chemical Characteristics

Boiling Point	**212˚F – 232˚F**	Specific Gravity (H_20 = 1)	**0.97**
Vapor Pressure (mm Hg)	**11.9 (of ammonia)**	Melting Point	**Unknown**
Vapor Density (AIR = 1)	**>1**	Evaporation Rate (ether = 1)	**Slower than ether**

Solubility in Water **Appreciable**

Appearance and Odor **White thin liquid, slight ammonia odor.**

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used) **>300˚F**	Flammable Limits **none established**	LEL	UEL

Extinguishing Media **Product; use water, alcohol foam, CO^2 or dry chemical extinguishers**

Special Fire Fighting Procedures **Wear NIOSH/MSHA approved equipment including a positive pressure, self-contained breathing apparatus in any closed space.**

Unusual Fire and Explosion Hazards **May emit toxic fumes of ammonia. Ammonia vapors can form explosive mixture with air. When burned, may emit water, nitrogen oxides, ammonia, carbon monoxide, carbon dioxide and smoke.**

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid **none known**
	Stable	**x**	

Incompatibility *(Materials to Avoid)* **Strong oxidizing agents. Coagulates in acid medium. Contamination by copper, magnesium and its alloys will deteriorate the rubber.**

Hazardous Decomposition or Byproducts **Ammonia and by combustion, oxides of carbon and nitrogen.**

Hazardous Polymerization	May Occur		Conditions to Avoid **none known**
	Will Not Occur	**x**	

Section VI—Health Hazard Data

Route(s) of Entry Inhalation? **yes** Skin? **yes** Ingestion? **yes**

Health Hazards *(Acute and Chronic)* **EYE: Excessive ammonia vapor exposure may cause severe irritation to eyes.**

SKIN: Prolonged or repeated skin contact may cause moderate irritation to individual.

INGESTION: Indigestible if swallowed. DO NOT INDUCE VOMITING, may cause blockage.

INHALATION: Excessive ammonia vapor exposure may cause severe respiratory irritation.

Carcinogenicity **Not suspected** NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure **unknown**

Medical Conditions Generally Aggravated by Exposure **unknown**

Emergency and First Aid Procedures **EYE: Flush eyes with copious amount of water until no evidence of the chemical remains. If irritation develops, seek medical attention.**
SKIN: Wash skin thoroughly with soap & water. See physician if irritation persists.
INGESTION: If swallowed, dilute with water. DO NOT INDUCE VOMITING, may cause blockage. Seek medical attention.
INHALATION: Remove to fresh air. Apply oxygen if breathing is difficult.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled **If material is released or spilled, provide ventilation, stop discharge and dam up to limit spreading. Pick up with absorbent material or coagulate with acid solution & place in suitable container for further handling or disposal. Do not flush spill into open sewers, drains or public waterways.**

Waste Disposal Method **As a liquid, incinerate. As a solid, incinerate or dispose of at landfill site in accordance to current local, state and federal environmental regulations.**

Precautions to Be Taken in Handling and Storing **Keep containers closed when not in use. Wear protective clothing & glasses to prevent eye or skin contact.**

Other Precautions **Do not use in equipment made of copper or brass. Provide proper ventilation to avoid excessive breathing of ammonia vapors.**

Section VII—Control Measures

Respiratory Protection *(Specify Type)* **Not for spray application.**

Ventilation	Local Exhaust **Provide good air circulation & exhaust to prevent build-up of ammonia vapors.**	Special **N/A**
	Mechanical *(General)* **N/A**	Other **N/A**

Protective Gloves **rubber or polyethylene** Eye Protection **Wear chemical splash goggles or select in accordance with OSHA 29 CFR 1910, 133.**

Other Protective Clothing or Equipment **As necessary to prevent skin contact.**

Work/Hygienic Practices **Maintain personal and work area cleanliness**