

Section 1**NoTubes**

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Product class: Latex emulsion
Product number: ST01, ST02
Department of Transportation information: Non-hazardous

Date prepared: 2/6/2007
Prepared by: Technical department

Section 2 Hazardous ingredients/identity information

Hazardous components	Cas Reg.no.	Approx Wt.%	Acgih Twa/tlv	Osha Pel	Vapor Pressure Mm hg
AMMONIA	7664-41-7	<1	25ppm	50ppm	>1 atm

HMIS hazard codes: Health: 1 Flammability: 0 Reactivity: 1 Personal Protection: C

Section 3 – Physical/chemical characteristics

Boiling range °f	212	Percent volatile by volume		43
Melting or freezing point	32°f	Percent volatile by weight		44
Vapor density (air=1)	<1	Evaporation rate (slower than ether)	lbs./gal	8.0
Solubility in water: Dispersible			Voc lbs/gal	Nil
Appearance and odor: Creme colored liquid with slight ammonia odor			Voc grams/liter	Nil

Section 4 – Fire and explosion hazard data

Flash point (method used): Will not flash

Flammable limits:

lower explosion limit: n/a

upper explosion limit: n/a

Extinguishing media: Foam, alcohol foam, CO₂, dry chemical, water spray

Special fire fighting procedures: Cool unopened containers with water spray to prevent rupture.

Unusual fire and explosion hazards: None expected. Liquid will not burn. Dried material will burn with black smoke.

Section 5 –Reactivity data

Stability: Stable

Conditions to avoid: Extremes of temperature. Keep from freezing

Incompatibility (materials to avoid): Acids, metal salts and solvents.

Hazardous decomposition or byproducts: Ammonia liberated by heat. Combustion of dried film, or drying material produces toxic oxides of carbon and nitrogen.

Hazardous polymerization: Will not occur.

Section 6- Health hazard data

Route(s) of entry: Inhalation, Skin, Ingestion, Eye contact

Health hazards (acute and chronic): Nose, throat, upper respiratory system, eyes, and skin irritation are possible. Exposure may increase pulse rate and blood pressure. Ingestion could cause digestive system irritation, pain, and vomiting. Direct eye contact could cause blindness.

Signs and symptoms of exposure: Short term exposure could cause tearing, blurred vision and respiratory irritation. Symptoms may not appear for up to several hours. Skin may be reddened or irritated. No long term effects have been reported.

Medical conditions generally aggravated by exposure: Persons with corneal disease and glaucoma, or chronic respiratory disease may be at increased risk by exposure.

Emergency and first aid procedures: **ORAL:** If swallowed, **DO NOT** induce vomiting. **CALL PHYSICIAN IMMEDIATELY!** **EYES:** In case of eye contact, flush with water for 15 minutes and get prompt medical attention. **SKIN:** Wash immediately with soap and rinse with water. **Do not** use solvents or alcohol to remove product from skin. **INHALATION:** Move to fresh air. If not breathing administer CPR. If breathing is difficult, get medical attention.

Section 7- Precautions for safe handling and use

Steps to be taken if material is released or spilled: Keep spectators away. Ventilate area. Stay upwind. Floor may be slippery; spread absorbent material. Place in closed containers and dispose of as hazardous waste.

Waste disposal method: Incinerate or landfill; always dispose of waste in accordance with existing federal, state or local environmental regulatory controls.

Precautions to be taken in handling and storing: Store in cool area, keep all containers closed when not in use. Avoid freezing. Clean up any spills immediately.

Other precautions: Avoid mixing in any quantity of air. Foam or bubbles may render the material unfit for use. Do not let children use this material without adult supervision.

Section 8 - Control measures

Respiratory protection (specify type): When exposure limits are exceeded, wear NIOSH ammonia approved respirator or mask supplied with external air.

Ventilation: local exhaust: if required

mechanical (general): as needed to keep tlv below limit

Protective gloves: rubber

Eye protection: glasses or goggles with splash guards

Other protective clothing or equipment: As necessary to prevent skin contact

Work/hygienic practices: Wash hands before eating, smoking, or using restroom. Change clothes wet with liquid.

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