

MATERIAL SAFETY DATA SHEET

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Poisondex Classifications

Health: 3
Fire: 1
Reactivity: 0

PRODUCT NAME:
PHYSAN 20

DATE ISSUED:
November 15, 2005

LAST REVISION:
November 15, 2005

SECTION 1: IDENTITY

TRADE NAME: Physan 20

CHEMICAL FAMILY: Quaternary ammonium compound

CHEMICAL NAME: Mixture of alkyl dimethyl benzyl ammonium chloride and alkyl dimethyl ethyl benzyl ammonium chloride

COMMENTS: Physan 20 is a concentrate and must be diluted before use.

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Components</u>	<u>OSHA-PEL</u>	<u>%</u>
1. n-Alkyl (C14-60%; C16-30%; C12-5%; C18-5%) DIMETHYL BENZYL AMMONIUM CHLORIDE (CAS # 68391 - 01-5)	None	10%
2. n-Alkyl (C12-68%; C14-32%) DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE (CAS # 68956-79-6)	None	10%
3. WATER		80 %

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212°F
Vapor Pressure: N/A
Vapor Density: N/A
Solubility in Water: Complete
Appearance and Odor: **Colorless Liquid** with a Benzaldehyde Odor
Specific Gravity: 0.9808
Melting Point: N/A
Evaporation Rate: N/A

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200°F Pensky Martins Closed Cup
Flammable Limits: **N/A**
Extinguishing Media: Water
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

SECTION V: REACTIVITY DATA

Stability:	Stable
Incompatibility:	Anionic Materials, Strong Oxidizers
Hazardous Decomposition (or by-products):	None
Hazardous Polymerization:	Will Not Occur

SECTION VI: HEALTH HAZARD DATA:

Routes of Entry:

Inhalation:	N/A
Eye Contact:	Burning, Irritation and Redness
Skin Contact:	Burning, Irritation and Redness
Ingestion:	Irritation, Difficulty Breathing and Circulatory Shock Concentrate may be harmful Acute Oral LD50 = 1,000 Mg/Kg (Rat)

First Aid:

Skin:	Rinse area for 15 minutes
Eyes:	Rinse area for 15 minutes and call a doctor
Ingestion:	Drink large quantities of milk, eggwhite, gelatin or water and call a doctor.

Chemical Listed as Carcinogen By:

OSHA:	No
I.A.R.C. Monograph:	No
National Toxicology Program:	No

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Spills:	Rinse Spills with water to drain
Waste Disposal:	Waste material should be placed in container and disposed of at a landfill. Conform to local provisions.
Handling/Storing:	Store in a dry place at temperatures not lower than 32° or higher than 120°F

SECTION VIII: CONTROL MEASURES

Respiratory Protection:	None
Ventilation:	Mechanical (General)
Protective Gloves:	Rubber or Neoprene
Protective Clothing/Equipment:	Face Shield
Eye Protection:	Chemical Goggles