

MATERIAL SAFETY DATA SHEET

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SECTION I - IDENTIFICATION OF COMPANY/ BUSINESS

NAME: WEMBLEY LABORATORIES LTD.
ADDRESS: Wembley House, 481-P, Pace City – II, Sector 37, Gurgaon, Haryana – 122001, INDIA
USE: Vinyl acetate homopolymer emulsion as lime/dry distemper binder

SECTION II – HAZARDOUS CONSTITUENTS OF MATERIAL

COMPONENT	CAS NUMBER	PERCENT	PERMISSIBLE EXPOSURE LIMIT [TWA]	SHORT TERM EXPOSURE LIMIT [STEL]
Vinyl acetate homopolymer	Proprietary	26 ± 1%	NH/NA	NH/NA
Volatiles (Mainly water vapours)	Mixture	74 ± 1%	NH/NA	NH/NA

SECTION III- IDENTIFICATION OF HAZARDS

TOXIC EFFECTS OF EXPOSURE/ CONTACT :

SKIN CONTACT: May irritate skin on prolonged or repeated contact.
EYE CONTACT: May cause slight irritation to eyes.
INHALATION: Vapours can cause irritation of mucous membrane, nausea, headache and dizziness.
INGESTION: Harmful.
DELAYED EFFECTS: Not reported.

SECTION IV- FIRST AID MEASURES

SKIN CONTACT : Flush skin with plenty of water while removing contaminated clothes. Wash contaminated clothes before reuse.
EYE CONTACT : Immediately flush eyes with plenty of water for at least 15 minutes. Consult Physician if irritation persist.
INHALATION : Move the subject to fresh air. If not breathing, give artificial respiration. If respiration is difficult, give Oxygen and seek help from Physician.
INGESTION : Immediately give two glasses of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a Physician.
NOTE TO PHYSICIAN: There is no specific antidote. Treatment should be given symptomatically on the clinical conditions.

SECTION V - FIRE AND EXPLOSION HAZARD OF MATERIAL

FIRE EXTINGUISHING MEDIA : Material will not burn, however dried film may burn. Use Water, Foam, Dry Chemical Powder, CO₂ to extinguish the fire.
THERMAL DECOMPOSITION PRODUCT : May yield acrid smoke and irritating gases with oxides of carbon and organic fragments.
SPECIAL FIRE FIGHTING PROCEDURE : Suggested to wear self contained breathing apparatus or equivalent [MSHA/ NIOSH - approved].
UNUSUAL FIRE AND EXPLOSION HAZARDS : Emulsion will not burn. They may spatter if the temperature exceeds boiling point. Dried polymer films are capable of burning.

SECTION VI - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS : Use personal protective equipment & handling listed under sections VII & VIII

ENVIRONMENT PRECAUTIONS : Review fire and safety precautions before proceeding with clean up. Use appropriate personal protective equipment during clean up. Keep spectators away. Dike and contain spill with an inert [e.g. sand, earth, etc.] absorbent. Collect the absorbed material in plastic bag for final disposal. Transfer liquid to container for recovery or disposal. Emulsion can be coagulated by stepwise addition of lime and Ferric Chloride or Ferric Sulphate up to a water clear end point. Keep spill out of sewers and open bodies of water.

CLEANING METHODS : Wash floor with water. Contaminated diking material may be incinerated or land filled according to current local or central regulation.

SECTION VII- HANDLING AND STORAGE

HANDLING PROCEDURE: Use appropriate personal protective equipment [PPE] during handling. Protect against physical damage. Observe good hygiene practices.

STORAGE REQUIREMENTS : Store at ambient temperatures. Keep away from freezing if temperature is too low. Keep container tightly closed when not in use. Maintain good housekeeping.

SECTION VIII- EXPOSURE CONTROL/ PERSONAL PROTECTIVE EQUIPMENT

PERSONAL PROTECTIVE EQUIPMENT :

HYGIENE MEASURES : Do not eat, drink or smoke when working. Wash hands before breaks and after work.

EYE PROTECTION : Use chemical splash proof safety goggles or equivalent.

HAND PROTECTION : Impervious (rubber, neoprene, pvc, etc.) hand gloves, aprons.

RESPIRATION PROTECTION : None required if good ventilation in the area is maintained. Otherwise suggested to wear MSHA/NIOSH approved respirator where vapour concentrations is more.

OTHERS : Eye wash facility and emergency shower.

ENGINEERING CONTROLS : Not specific.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : Milky white emulsion.

BOILING POINT (°C) : About 100 °C **pH** : 4.0 – 6.0

DENSITY/ SPECIFIC GRAVITY (WATER=1) : 1.05 – 1.1

VAPOUR PRESSURE AT 25 °C : NA

EXPLOSIVE LIMITS (% by vol.) : LEL : NA UEL : NA

ODOUR : Mild odour of free monomer.

VISCOSITY (cps) @ 30 °C: 2200 - 2300

SOLUBILITY IN WATER : Miscible

FLAMMABILITY : Not-flammable.

FLASH POINT : NA

SECTION X - STABILITY AND REACTIVITY DATA

CHEMICAL STABILITY : Stable under normal ambient conditions.

INCOMPATIBILITY : Mineral acids and strong salt solution.

HAZARDOUS POLYMERISATION : Will not occur.

CONDITIONS TO AVIOD : Not specific.

SECTION XI - TOXICOLOGICAL INFORMATION

Free monomer content in the product is not a problem in normal handling and storage. However, monomer vapours may be released into workroom atmosphere when emulsion is heat cured or dried. No data available on toxicity effects on oral, dermal or inhalation exposure.

SECTION XII - ECOLOGICAL INFORMATION

No data available on ecotoxicity or environmental fate, however as a general practice, do not allow to enter soil, waterways and open bodies of water.

SECTION XIII - DISPOSAL INFORMATION

The contaminated/discarded material may be disposed off in accordance with current local, Federal, State or Central regulations.

SECTION XIV - TRANSPORTATION INFORMATION

DOT/ IMO/ ICAO/ IATA INFORMATION : Not Regulated

TDG INFORMATION : Not determined

The material is not considered as dangerous for transportation

SECTION XV - REGULATORY INFORMATION

TSCA : All components are on the TSCA inventory.

SARA/ TITLE III : No substance at or above the reporting threshold under section 313.& 312.

OSHA Hazard Communication Std. 29CFR1910.1200 : Not a health hazard or physical hazard.

SECTION XVI - MISCELLANEOUS INFORMATION

DISCLAIMER : The data presented here is based on information we believe to be reliable but unknown risks may be present. We disclaim liability for damage or injury which results from the use of the above data and nothing contained therein shall constitute a guarantee or a warranty (including warranty of Merchantability or fitness for a particular purpose) or representation (including freedom from Patentability) by us with respect to the accuracy or completeness of the data, the product described or their use for any specific purpose as known to us. The final determination of the suitability of information, the manner of use of information or product and potential infringement of patents is the sole responsibility of the user.

ABBREVIATIONS USED : NA - NOT APPLICABLE, NH - NON HAZARDOUS,
CI - CONTENT INSIGNIFICANT.

Issued by: Wembley Laboratories Ltd.