

251LG
251LF
251LQ

S I L P A K, I N C.
1 6 9 A T L A N T I C S T R E E T
P O M O N A, C A. 9 1 7 6 8
9 0 9 - 5 9 5 - 6 1 9 1
F A X 9 0 9 - 5 9 8 - 2 4 4 6

M A T E R I A L S A F E T Y D A T A S H E E T

S E C T I O N I

MANUFACTURER: SILPAK, INC.
ADDRESS: 169 ATLANTIC STREET/POMONA, CA. 91768
EMERGENCY TELEPHONE #: 909-595-6191
CHEMICAL NAME AND SYNONYMS: LATEX COMPOUND
TRADE NAME AND SYNONYMS: RL-461
CHEMICAL FAMILY: NATURAL RUBBER

S E C T I O N II H A Z A R D O U S I N G R E D I E N T S

Formulated mixture of Natural Rubber, and Water solution. 100%
Formulated natural rubber: 60
Ammonia and water solution: 40
Others: >1

S E C T I O N III P H Y S I C A L D A T A

BOILING POINT (F): 212 SPECIFIC GRAVITY: 0.99
VAPOR PRESSURE (mm Hg): N/A
PERCENT VOLATILE BY VOLUME (%) 25
VAPOR DENSITY (AIR=1): 1>
EVAPORATION RATE (nBuAc=1): Slower
SOLUBILITY IN WATER: Yes
APPEARANCE AND ODOR: Off white
VOC RATING: 285 Gram/Liter

S E C T I O N IV
F I R E A N D E X P L O S I O N H A Z A R D D A T A

FLASH POINT (METHOD USED): Tag-N/A
FLAMMABLE CLASS: Not regulated
EXTINGUISHING MEDIA: Carbon Dioxide - Dry chem of Foam
SPECIAL FIRE FIGHTING PROCEDURES: Should wear full protection to guard against exposure to toxic and irritating fumes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not weld or use cutting torch on drums - Burning material emits irritating or toxic fumes.

S E C T I O N V H E A L T H H A Z A R D D A T A

THRESHOLD LIMIT VALUE: See section VIII

EFFECTS OF OVEREXPOSURE: Contact may cause skin and eye irritation.

EMERGENCY AND FIRST AID PROCEDURES: SKIN: Wash with large amounts of soap and water.

EYES: Immediately flush with water for at least 15 minutes. Consult a physician if irritation develops or persists.

INGESTION: If swallowed, drink 2 glasses of water and induce vomiting.

INHALATION: Remove to fresh air and call a physician. Give oxygen or artificial respiration if necessary.

S E C T I O N VI R E A C T I V I T Y D A T A

STABILITY: Stable CONDITIONS TO AVOID: NONE

INCOMPATIBILITY (MATERIALS TO AVOID): None

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: CO, CO2

S E C T I O N VII

S P I L L O R L E A K P R O C E D U R E S

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WASTE DISPOSAL METHOD: Contain spill and clean up with absorbent material (kitty litter), shovel into container and dispose.

S E C T I O N VIII

S P E C I A L P R O T E C T I O N I N F O R M A T I O N

RESPIRATORY PROTECTION (SPECIFY TYPE): None normally needed.

PROTECTIVE GLOVES: As needed if sensitive.

EYE PROTECTION: Approved safety glasses.

OTHER PROTECTIVE EQUIPMENT: Only if sensitive to product.

S E C T I O N IX S P E C I A L P R E C A U T I O N S

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry location. Keep containers tightly sealed and upright when not in use.

OTHER PRECAUTIONS: Avoid unnecessary skin contact with this product. Avoid breathing vapors. Provide adequate ventilation during use.

SHIPPING INFORMATION: (DOT SHIPPING NAME, HAZARD CLASS, UN/NA NUMBER) Natural rubber latex, mixture, none, none.

Prepared by: Philip J. Galarneau 8/15/92

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P R O D U C T D A T A S H E E T
R L - 4 6 1 R U B B E R L A T E X
M O L D I N G C O M P O U N D

These compounds have very low shrinkage on drying and will reproduce intricate surface detail. It forms a soft, flexible, good aging rubber film when dried. It has excellent storage stability.

Latex molding compounds are supplied in concentrated form so that application may be by brushing or dipping. If the latex solution appears too thick, the viscosity may be lowered by adding a small quantity of warm demineralized water with careful stirring.

APPLICATION :

Fasten the model to a firm, non-porous object so that no handling will be necessary during application of the latex. The latex compound itself may be used as a cementing medium to fasten the model in place by simply pouring a small quantity on the non-porous surface. Place the model therein and permit the assembly to dry.

If molding latex is applied by brushing, care must be taken to provide a smooth, even first coat with all air bubbles carefully brushed out. Brush from top of the model to the bottom then continue on out from the base a distance of about 1-1/2" on the supporting medium. When dry, this marginal overlap provides a very definite aid to ease of handling in later casting operations. The overlap should be applied not only on the first latex applications, but on all subsequent ones as well.

After the first coat has become completely dry to the touch, subsequent coats may be added, allowing each to dry to the touch until a satisfactory film thickness has been built up. Drying may be carried out at room temperature. The process will be greatly accelerated if a current of air from a fan can be directed across the surface of the model. If the model has a relatively large surface area, the first coat of latex should be applied as described, but this must be followed with another applied as spots of latex in a checkerboard design. After the checkerboard application dries, the model must be given another overall application in the usual manner. If additional coats are to be applied, the checkerboard application should be

interspersed regularly. This accomplishes a reduction in the tendency toward shrinkage and dimensions of the finished mold will be very close to those of the original model.

Reinforcement of the latex compound may be accomplished by applying strips of cheese cloth or similar fabric to the mold after three or four latex applications have been made. Cheese cloth may be cut into narrow strips and applied to a fresh coat of the latex. After this has dried, two or three coats of latex should be brushed over the fabric.

STORAGE :

Latex molding compound has been prepared in ready-to-use form and no additions are necessary on your part to obtain a very satisfactory finished mold from it. Care must be taken to store the latex compound. It should never be exposed to freezing temperatures. At 40 to 45 degrees, some tendency toward gelling may take place, but the original fluidity can then be restored by heating the latex to around 120F slowly.

CLEANUP :

Brushes used to apply molding latex should be rinsed before and after use in a solution of soap chips and water. This permits the applicators to be cleaned readily and greatly prolongs their period of usefulness.

The material is available in the following quantities:

- 1 Gallon - 8#
- 5 Gallon - 40#
- 55 Gallon - 400#

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