



*** MATERIAL SAFETY DATA SHEET ***

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER239A
PRODUCT NAME.....DORUS KL 239A
SYNONYMOUS.....PVA Adhesive, One part Interior Adhesive

- MANUFACTURER -

Henkel Chile Ltda.
Av. Laguna Sur 9551
Pudahuel - Santiago-Chile
Phone : 56 (2) 3817200
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2. COMPOSITION / INFORMATION ON INGREDIENTES

CHEMICAL GROUP..... Synthetic Polymer

Table with 2 columns: COMPONENT, CONCENTRATION %. Rows include Polyvinyl Acetate (90.0) and Phenolic Resin (3-5).

3. HAZARDS IDENTIFICATION

EYE IRRITANT. Sensitizer
EYE.....Irritating and may injure eye tissue if not removed promptly.
SKIN CONTACT.....Repeated or prolonged contact may cause defacing of the skin, which may lead to skin irritation and/or dryness.



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INHALATION.....At ambient temperature, the product is not dangerous.
INGESTION.....Low order of toxicity.

4. FIRST-AID MEASURES

EYE.....Immediately flush eyes with large amount of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention.
SKIN CONTACT.....Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before re-use. Discard shoes.
INHALATION.....Normally is not necessary first aids. Remove to fresh air.
INGESTION.....If swallowed, induce vomiting only if victim is alert. Keep to the person in rest. Get prompt medical attention.

5. FIREFIGHTING MEASURES

AUTOIGNITION.....Unknown
FLASH POINT.....Greater than 200 F (Setaflash Closed Tester)
EXTINGUISHING MEDIA.....Foam; Alcohol; Carbon Dioxide (CO₂); Dry chemical.
SPECIAL FIREFIGHTING PROCEDURES.....Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
FIRE & EXPLOSION HAZARDS.....Negligible fire hazard when exposed to heat or flame.
UPPER EXPLOSION LIMIT (%).....Not Applicable
LOWER EXPLOSION LIMIT (%).....Not Applicable
NFPA FLAMMABILITY HAZARD CLASS...0 = Insignificant



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6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES.....Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water. Collect wash water for approved disposal. Do not flush to waterway.

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE.....40 - 100 °F.
HANDLING/STORAGE.....Storage in a well ventilated area. Protect from freezing.
VENTILATION REQUIREMENTS.....Local; General
OTHER PRECAUTIONS.....Avoid extreme temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION REQUIREMENTS..... General Ventilation
EYE PROTECTION REQUIREMENTS.....Wear safety glasses with side shield.
GLOVE REQUIREMENTS.....The use of chemically resistant gloves is recommended.
CLOTHING REQUIREMENTS.....Wear appropriate protective clothing and equipment to prevent any possibility of skin contact.
CHANGE / REMOVAL OF CLOTHING.....Remove and launder grossly before reuse.
WASH REQUIREMENTS.....Soap and water.
RESPIRATOR REQUIREMENTS..... Non required under normal handling conditions.



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9. PHYSICAL AND CHEMICAL PROPERTIES

PURE SUBSTANCE OR MIXTURE.....Mixture
PHYSICAL FORM.....Liquid
APPEARANCE / ODOR.....White
ODOR THRESHOLD.....Not available
pH.....Approx. 3.7
BOILING POINT.....Approx.212 °F
FREEZING POINT.....< 32 F
SOLUBILITY IN WATER.....Miscible
PARTITION COEFFICIENT
(n-octanol / water).....Not Applicable
SPECIFIC GRAVITY (WATER = 1).....1.030
BULK DENSITY.....9.1 lbs/gal
EVAPORATION RATE.....1 (Water)
VAPOR PRESSURE (mmHg).....17.5 (68 °F)
VAPOR DENSITY (air = 1).....0.62
VISCOSITY.....Approx. 3.000 cps
VOLATILES.....Approx. 56% by weight (water)
VOLATILE ORGANIC COMPOUNDS.....None
AUTOIGNITION.....Unknown
FLASH POINT.....Not Applicable
OXIDIZING PROPERTIES.....Not Applicable

10. STABILITY AND REACTIVITY

STABILITY.....Stable
MATERIALS TO AVOID.....Avoid contact with nitrobenzene, nitromethane,
perchloryl fluoride and benzene, phenyl azide,
oxygen difluoride, ethylene, ethylene oxide,
potassium, sodium.
NFPA REACTIVITY HAZARD CLASS.....0 = Insignificant
HAZARDOUS DECOMPOSITION PROD.. Stable under normal temperature and pressure.



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11. TOXICOLOGICAL INFORMATION

PRODUCT TOXICOLOGY

NOTES ON ORAL TOXICITY..... Irritating to the mouth.

NOTES ON DERMAL TOXICITY..... Irritating to the skin.

NOTES ON INHALATION TOXICITY..... Inhalation may cause nasal and/or respiratory tract irritation.

NOTES ON EYE IRRITATION..... If not removed promptly, will injure eye tissue, may result in permanent damage.

CHRONIC (LONG TERM) EFFECTS OF EXPOSURE

ROUTE OF ENTRY.....Skin contact, eye contact.

EFFECTS OF CHRONIC EXPOSURE.....None registred in human body.

TARGET ORGANS.....Skin, eyes.

CARCINOGEN..... No.

SENSITIZER..... Yes.

12. ECOLOGICAL INFORMATION

Not available.



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13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS.....Waste disposal should be in accordance with existing federal state and local environmental regulations.
EMPTY CONTAINER WARNINGS.....Empty containers may contain product residues, follow MSDS and label warnings even after they have been emptied.

14. TRANSPORTATION INFORMATION

DOT INFORMATION

DOT SHIPPING NAME.....Adhesive N.O.T
DOT HAZARD CLASS..... Not regulated
DOT REPORTABLE QUANTITY..... Not noted

15. REGULATORY INFORMATION

TSCA All components are on the TSCA inventory.
SARA/TITLE III This product contains no substances at or above the reporting threshold under Section 313, based on data available.

The information given and recommendations made herein apply to our product(s) alone and are not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to accurate. No guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purpose.