



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification			
Product Name	Dorus KS 350/2	Effective Date	11/13/2002
Product Use	Industrial Hot Melt Adhesive	Supersedes	09/19/2001
Company Address	Henkel Adhesives 1345 Gasket Drive Elgin, IL 60120 (847) 608-0200	Transportation Emergency Chemtrec: 800 424-9300	Non-Transportation Emergency 847 468-9200

Section 2. Composition and Information on Ingredients			
Name	CAS #	% by Weight	Exposure Limits
1) Synthetic Polymer Adhesive	Confidential	100	None Established

Section 3. Hazards Identification	
Physical State and Appearance	White solid
Emergency Overview	CAUTION! Molten adhesive may cause severe burns. Adhesive vapors may cause slight irritation of the skin, eyes or respiratory system.
Routes of Exposure	Skin contact Eye contact Inhalation Ingestion
Potential Acute Health Effects	<p>Eyes Adhesive vapors may cause eye irritation. Molten adhesive may cause severe burns.</p> <p>Skin Adhesive vapors may cause skin irritation. Molten adhesive may cause severe burns.</p> <p>Inhalation Adhesive vapors may cause slight irritation of the respiratory tract.</p> <p>Ingestion May produce gastrointestinal irritation or cause diarrhea</p>
Potential Chronic Health Effects	No known chronic effects

Section 4. First Aid Measures	
Eye Contact	Molten adhesive may cause severe burns. If eye contact occurs immediately cool with water. Do not remove adhesive. Seek medical attention.
Skin Contact	In case of skin contact with molten adhesive, cool skin with plenty of water. Do not remove adhesive from skin. Remove contaminated clothing and shoes. Get medical attention.
Inhalation	If vapors are inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms persist.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms persist.

Continued on Next Page

Section 5. Fire Fighting Measures

Flammability of the Product	Non-flammable.
Auto-ignition Temperature	Not determined
Flash Points	Not determined
Flammable Limits	Not applicable.
Fire Fighting Media and Instructions	Use dry chemical, water spray or carbon dioxide. Qualified persons wearing full fire-fighting suits and approved/certified self-contained breathing apparatus. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

Section 6. Accidental Release Measures

Spill and Leak	Use appropriate tools to collect adhesive solids and place in a waste disposal container. Discard in accordance with federal, state and local regulations.
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Section 7. Handling and Storage

Handling	Avoid contact with molten material.
Storage	Keep container tightly closed when not in use.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to prevent exposure to airborne vapors or gases.
Personal Protection	
<i>Eyes</i>	Safety glasses with side shields.
<i>Body</i>	Wear overalls or long sleeved shirt and long trousers.
<i>Respiratory</i>	Wear appropriate respirator when ventilation is inadequate.
<i>Hands</i>	Heat and chemical resistant gloves.
<i>Feet</i>	Safety Shoes

Section 9. Physical and Chemical Properties

Physical State and Appearance	White solid
Odor	Characteristic.
Odor Threshold	Not available.
Color	White.
pH	Not applicable.
Melting/Freezing Point	105°C (221°F) (Softening Point)
Specific Gravity	0.9 to 1 (Water = 1)
Vapor Pressure	Not applicable.
Vapor Density	Not determined

Continued on Next Page

Volatility	Non-volatile.
Evaporation Rate	Not determined
Viscosity	~ 100,000 cps @ 390 F
Solubility	Insoluble in water.
Dispersion Properties	Not dispersed in water.
Boiling Point	Not applicable
Water/oil distribution coefficient	Not determined
Physical Chemical Comments	No additional comments

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Avoid contact with strong oxidizers
Incompatibility with Various Substances	May react with strong oxidizing agents.
Hazardous Decomposition Products	Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Product LC₅₀/LD₅₀	LD50: No data available. LC50: No data available.
Toxicological Effects	No known chronic effects.

Section 12. Ecological Information

Ecotoxicity	No data available
Toxicity of the Products of Biodegradation	No data available.

Section 13. Disposal Considerations

Waste Information	This product does not meet the criteria of a USEPA hazardous waste if discarded in its original purchased form. Must be disposed of in accordance with federal, state and local environmental regulations.
Consult your local or regional authorities.	

Section 14. Transport Information

DOT Classification	Not a DOT regulated material (United States).
Proper Shipping Name	Not applicable.
UN/NA Identification Number	Not applicable.
Packing group	Not applicable.

Continued on Next Page

Hazardous Substances Reportable Quantity	Not applicable
Special Provisions for Transport	No additional remark.
TDG Classification	Not a TDG controlled material.

Section 15. Regulatory Information

U.S. Federal Regulations TSCA Inventory: All components are listed.
 SARA 302/304/311/312 extremely hazardous substances: No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
 SARA 302/304/311/312 hazardous chemicals: No products were found.
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
 SARA 313 toxic chemical notification and release reporting: No products were found.
 Clean Water Act (CWA) 307: No products were found.
 Clean Water Act (CWA) 311: No products were found.
 Clean air act (CAA) 112 accidental release prevention: No products were found.
 Clean air act (CAA) 112 regulated flammable substances: No products were found.
 Clean air act (CAA) 112 regulated toxic substances: No products were found.

Canadian Regulatory Lists Canadian Domestic Substances List (DSL): All components are listed.
WHMIS (Canada) WHMIS: Not a controlled product under WHMIS
 This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

International Regulations No additional information.

State Regulations No products were found.
 California prop. 65: No products were found.

Section 16. Other Information

Hazardous Material Information System (U.S.A.)

Health	/	1
Fire Hazard		1
Reactivity		0
Personal Protection		

National Fire Protection Association (U.S.A.)



Validated by Henkel Adhesives Regulatory Department on 11/13/2002.

Verified by Henkel Adhesives Regulatory Department. Printed 12/2/2002.

[Transportation Emergency](#) Chemtrec: 800 424-9300

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Continued on Next Page

To the best of our knowledge, the information contained herein is accurate. It is the users responsibility to determine suitability for the user's purpose and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. However, neither the above named supplier nor any of its subsidiaries assumes responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected to handling, storage, use, misuse or disposal of this product. If this product is used as a component in another product, this MSDS information may not be applicable.