



Revision Date: 03/25/2007

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Dorus US 280/4  
**Product Use:** Industrial Hot Melt Adhesive  
**Company address:**  
Henkel Corporation, Inc.  
1345 Gasket Drive  
Elgin, IL 60120

**Item No. :** / IDH No. 515566  
**Region:** Canada  
**Contact Information:**  
Telephone: 847.468.9200  
Transportation Emergency Telephone: 800.424.9300

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Non hazardous components  
Polyolefin Based Hotmelt Adhesive

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

<b>Physical state:</b>	Solid	<b>WHMIS hazard class:</b>	Non-controlled
<b>Color:</b>	Off-white		
<b>Odor:</b>	Slight		

**WARNING:** MOLTEN ADHESIVE MAY CAUSE SEVERE BURNS.

**Relevant routes of exposure:** Molten adhesive, Skin, Eyes, Solid adhesive has no hazards

**Potential Health Effects**

**Inhalation:** Continuous breathing of vapors above molten adhesive may irritate mucous membranes. Dusts from solid adhesive may cause irritation.

**Skin contact:** Molten adhesive may cause severe burns. Solid adhesive has no hazards

**Eye contact:** Molten adhesive in eyes will cause severe and permanent damage. Can cause mechanical irritation if dusts are generated.

**Ingestion:** Not expected to be harmful by ingestion.

**Existing conditions aggravated by exposure:** None known

See Section 11 for additional toxicological information.

**4. FIRST AID MEASURES**

**Inhalation:** Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

**Skin contact:** Thermal burn hazard from molten adhesive. Cool melted product on skin with plenty of water. Do not remove solidified product. Cover affected areas with clean sheeting or gauze and seek immediate medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing as damaged skin can be easily torn.

**Eye contact:** If eye contact occurs with molten material immediately cool with water. Do not remove adhesive. Seek medical attention.

**Ingestion:** Ingestion of solid adhesive is not expected to be hazardous. Get medical attention if symptoms develop and persist.

Item No. : / IDH No. 515566

Product name: Dorus US 280/4

## 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	Greater than 210°C (410°F) (estimated)
<b>Autoignition temperature:</b>	Not applicable
<b>Flammable/Explosive limits-lower %:</b>	Not applicable
<b>Flammable/Explosive limits-upper %:</b>	Not applicable
<b>Extinguishing media:</b>	Use extinguishing measures appropriate to local circumstances and the surrounding environment. Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	None
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Oxides of carbon. Thermal decomposition can lead to release of irritating gases and vapors.
<b>Sensitivity to mechanical impact:</b>	Not sensitive to mechanical impact.
<b>Sensitivity to static discharge:</b>	Not available.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	No special environmental precautions required. Do not allow material to contaminate ground water system.
<b>Clean-up methods:</b>	Health injuries are not known or expected under normal use Sweep up spilled material. Avoid creating dust.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with molten material. Always be careful around molten material. Do not place wet or damp solid into melt tank. Follow suggested application temperature. Do not wear contact lenses.
<b>Storage:</b>	Do not store above 38°C (100°F).
<b>Incompatible products:</b>	No special restrictions on storage with other products.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
<b>Respiratory protection:</b>	No personal respiratory protective equipment normally required. Where the potential exists for exposure to decomposition products due to heating or elevated temperatures, wear NIOSH approved respiratory protection as appropriate.
<b>Skin protection:</b>	Insulated gloves and long sleeved clothing are strongly recommended when working with molten adhesive.
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Do not wear contact lenses when handling this product.

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Solid
<b>Color:</b>	Off-white
<b>Odor:</b>	Slight
<b>Odor Threshold:</b>	Not available
<b>Vapor pressure:</b>	Not applicable
<b>pH:</b>	Not applicable
<b>Item No. :</b>	/ IDH No. 515566

**Boiling point/range:** Not available  
**Melting point/range:** 150°C (302°F) (Softening Point)  
**Specific gravity:** 0.98  
**Vapor density:** Not available  
**Evaporation rate:** Not applicable  
**Solubility in water:** Insoluble.  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** Zero

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** None under normal use.  
**Incompatibility:** None  
**Conditions to avoid:** None known.

## 11. TOXICOLOGICAL INFORMATION

**Product toxicity data:** Acute LD50 (oral) :Greater than 5,000 (rat). (estimated).  
**Toxicologically synergistic products:** Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

### Ingredient Toxicity Data & Carcinogen Status

### Literature Referenced Target Organ & Other Health Effects

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of in accordance with federal and local regulations.

## 14. TRANSPORT INFORMATION

### Canada Transportation of Dangerous Goods - Ground:

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

### International Air Transportation (ICAO/IATA):

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

### Water Transportation (IMO/IMDG):

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

Item No. : / IDH No. 515566

Marine pollutant: None

## 15. REGULATORY INFORMATION

### Canada Regulatory Information

**CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Domestic Substances List.

### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Product Regulations.

**Prepared by:** Ed Waldynski, Regulatory Affairs Specialist

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