Material Safety Data Sheet

Revision Number: 003.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: HYSOL 1X POLYSHOT 35 LB CT
Product type: Hotmelt adhesive

IDH number: 420389
Item number: 83368
Region: United States

Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Contact information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Solid
Color: Yellow
Odor: Slight

HEALTH: *1
FLAMMABILITY: 0
PHYSICAL HAZARD: 0
Personal Protection: See MSDS Section 8

WARNING: MOLTEN ADHESIVE MAY CAUSE SEVERE BURNS.
MAY CAUSE ALLERGIC SKIN REACTION.

Relevant routes of exposure: Molten adhesive., Eyes, Skin, 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. Repeated or prolonged skin contact may result in allergic sensitization.

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

Ingestion: Not expected to be harmful by ingestion.

Existing conditions aggravated by exposure: None known

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Paraffin waxes and Hydrocarbon waxes	8002-74-2	5 - 10
Rosin	8050-09-7	5 - 10

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:	Molten adhesive may cause severe burns. 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. If symptoms develop and persist, get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	> 232 °C (> 449.6 °F)
Autoignition temperature:	Not applicable
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Extinguishing media:	Use extinguishing measures appropriate to local circumstances and the surrounding environment. Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon. Acrid smoke and fumes.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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

7. HANDLING AND STORAGE

Handling:	Avoid skin contact with molten resins. 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.
Storage:	For safe storage, store at or below 38 °C (100.4 °F)

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Paraffin waxes and Hydrocarbon waxes	2 mg/m3 TWA Fume.	None	None	None
Rosin	Included in the regulation but with no data values. See regulation for further details. Exposure by all routes should be carefully controlled to levels as low as possible. (Sensitizer.)	None	None	None

Engineering controls: Ventilation hoods and fans required when working with organic solvents or in hot melt applications. Heat only in areas with appropriate exhaust ventilation.

Respiratory protection: Respirator with combination filter for vapor/particulate. In case of insufficient ventilation wear suitable respiratory equipment.

Eye/face protection: 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.

Skin protection: Insulated gloves and long sleeved clothing are strongly recommended when working with molten adhesive.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid
Color: Yellow
Odor: Slight
Odor threshold: Not available
pH: Not available
Vapor pressure: Not applicable
Boiling point/range: Not available
Melting point/ range: 110.2 °C (230.4 °F)
Specific gravity: 0.96
Vapor density: Not available
Flash point: > 232 °C (> 449.6 °F)
Flammable/Explosive limits - lower: Not applicable
Flammable/Explosive limits - upper: Not applicable
Autoignition temperature: Not applicable
Evaporation rate: Not applicable
Solubility in water: Insoluble
Partition coefficient (n-octanol/water): Not available
VOC content: 0 %; 0 g/l

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

Hazardous decomposition products: None under normal use.

Incompatible materials: Avoid heating above 400ºF.

Conditions to avoid: Prolonged heating at temperatures above 200 °C.

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Henkel is not aware of any toxicity data on the specific mixture of chemical components contained in this product.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Paraffin waxes and Hydrocarbon waxes	No	No	No
Rosin	No	No	No

Hazardous components	Health Effects/Target Organs
Paraffin waxes and Hydrocarbon waxes	Irritant
Rosin	Respiratory, Irritant, Allergen

12. ECOLOGICAL INFORMATION

Ecological information: No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)

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
Exceptions: None

15. REGULATORY INFORMATION

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.
TSCA 12(b) Export Notification: None above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health

CERCLA/SARA 313: None above reporting de minimus

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

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

WHMIS hazard class: D.2.B

16. OTHER INFORMATION

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

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