



Revision Number: 004.1

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** HYSOL 1942 PELLETS 40 LB CT  
**Product type:** Hotmelt adhesive

**IDH number:** 420357  
**Item number:** 83267  
**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

<b>Physical state:</b>	Solid	<b>HEALTH:</b>	1
<b>Color:</b>	Off white	<b>FLAMMABILITY:</b>	0
<b>Odor:</b>	Slight	<b>PHYSICAL HAZARD:</b>	0
<b>WARNING:</b>		<b>Personal Protection:</b>	See MSDS Section 8
MOLTEN ADHESIVE MAY CAUSE SEVERE BURNS. DUST FROM TALC MAY CAUSE IRRITATION OR ALLERGIC REACTION.			

**Relevant routes of exposure:** Molten adhesive., Skin, Eyes

### Potential Health Effects

**Inhalation:** Continuous breathing of vapors above molten adhesive may irritate mucous membranes. May cause allergic skin and respiratory tract reaction.  
**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

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	%
Ethylene-vinyl acetate copolymer	Proprietary	30 - 60
Resin acids and Rosin acids, esters with pentaerythritol	8050-26-8	10 - 30
Rosin	8050-09-7	10 - 30
Rosin, polymd.	65997-05-9	5 - 10
Paraffin waxes and Hydrocarbon waxes	8002-74-2	1 - 5
Vinyl acetate	108-05-4	0.1 - 1

## 4. FIRST AID MEASURES

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

**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
Ethylene-vinyl acetate copolymer	None	None	None	None
Resin acids and Rosin acids, esters with pentaerythritol	None	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
Rosin, polymd.	None	None	None	None
Paraffin waxes and Hydrocarbon waxes	2 mg/m3 TWA Fume.	None	None	None
Vinyl acetate	10 ppm TWA 15 ppm STEL	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

<b>Physical state:</b>	Solid
<b>Color:</b>	Off white
<b>Odor:</b>	Slight
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Vapor pressure:</b>	Not applicable
<b>Boiling point/range:</b>	Not available
<b>Melting point/ range:</b>	110.2 °C (230.4 °F)
<b>Specific gravity:</b>	0.94
<b>Vapor density:</b>	Not available
<b>Flash point:</b>	> 232 °C (> 449.6 °F)
<b>Flammable/Explosive limits - lower:</b>	Not applicable
<b>Flammable/Explosive limits - upper:</b>	Not applicable
<b>Autoignition temperature:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable
<b>Solubility in water:</b>	Insoluble
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	0 %; 0 g/l

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	None under normal use.
<b>Incompatible materials:</b>	Avoid heating above 400°F.
<b>Conditions to avoid:</b>	Prolonged heating at temperatures above 200 °C.

## 11. TOXICOLOGICAL INFORMATION

<b>Product toxicity data:</b>	Henkel is not aware of any toxicity data on the specific mixture of chemical components contained in this product.
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Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Ethylene-vinyl acetate copolymer	No	No	No
Resin acids and Rosin acids, esters with pentaerythritol	No	No	No
Rosin	No	No	No
Rosin, polymd.	No	No	No
Paraffin waxes and Hydrocarbon waxes	No	No	No
Vinyl acetate	No	Group 2B	No

Hazardous components	Health Effects/Target Organs
Ethylene-vinyl acetate copolymer	No Target Organs
Resin acids and Rosin acids, esters with pentaerythritol	Irritant
Rosin	Respiratory, Irritant, Allergen
Rosin, polymd.	No Records
Paraffin waxes and Hydrocarbon waxes	Irritant
Vinyl acetate	Central nervous system, Irritant, Mutagen, Some evidence of carcinogenicity

## 12. ECOLOGICAL INFORMATION

<b>Ecological information:</b>	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.
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### 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:** Vinyl acetate (CAS# 108-05-4).  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health  
**CERCLA/SARA 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Vinyl acetate (CAS# 108-05-4).  
**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/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

### 16. OTHER INFORMATION

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

**Prepared by:** Lou Fabrizio, Regulatory Affairs Specialist

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.