



Revision Number: 001.2

Issue date: 02/21/2013

1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|-------------------------------|--|---------------------|---------------|
| Product name: | LOCTITE® PIPE JOINT COMPOUND | IDH number: | 234953 |
| Product type: | Sealant | Item number: | 30557 |
| | | Region: | United States |
| Company address: | Contact information: | | |
| Henkel Corporation | Telephone: 860.571.5100 | | |
| One Henkel Way | MEDICAL EMERGENCY Phone: Poison Control Center | | |
| Rocky Hill, Connecticut 06067 | 1-877-671-4608 (toll free) or 1-303-592-1711 | | |
| | TRANSPORT EMERGENCY Phone: CHEMTREC | | |
| | 1-800-424-9300 (toll free) or 1-703-527-3887 | | |
| | Internet: www.henkelna.com | | |

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

| | | | |
|------------------------|-------------------|-----------------------------|--------------------|
| Physical state: | Liquid, viscous | HEALTH: | *2 |
| Color: | Black, dark brown | FLAMMABILITY: | 3 |
| Odor: | Alcoholic | PHYSICAL HAZARD: | 0 |
| | | Personal Protection: | See MSDS Section 8 |

WARNING: FLAMMABLE LIQUID AND VAPOR.
MAY CAUSE ALLERGIC SKIN REACTION.
CAUSES EYE IRRITATION.
MAY CAUSE SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects

| | |
|----------------------|---|
| Inhalation: | Inhalation of vapors or mists of the product may be irritating to the respiratory system. |
| Skin contact: | May cause allergic skin reaction. May cause skin irritation. Burning sensation. Redness. |
| Eye contact: | Contact with eyes will cause irritation. Swelling. Stinging. Redness. |
| Ingestion: | May be harmful if swallowed. |

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

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 | % |
|----------------------------|------------|---------|
| Kaolin | 1332-58-7 | 30 - 60 |
| Castor oil, oxidized | 68187-84-8 | 10 - 30 |
| Rosin | 8050-09-7 | 10 - 30 |
| Methyl acetate | 79-20-9 | 10 - 30 |
| Talc | 14807-96-6 | 5 - 10 |
| Lecithins, soybean | 8030-76-0 | 1 - 5 |
| Titanium dioxide | 13463-67-7 | 0.1 - 1 |
| Carbon black | 1333-86-4 | 0.1 - 1 |
| Quartz (SiO ₂) | 14808-60-7 | 0.1 - 1 |
| Methanol | 67-56-1 | 0.1 - 1 |

4. FIRST AID MEASURES

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| Inhalation: | Move to fresh air. If symptoms persist, seek medical advice. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| Skin contact: | Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. If symptoms develop and persist, get medical attention. |
| Eye contact: | Immediately flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist. |
| Ingestion: | DO NOT induce vomiting unless directed to do so by medical personnel. Keep individual calm. Get medical attention. |

5. FIRE FIGHTING MEASURES

| | |
|--|--|
| Flash point: | < 22 °F (< -5.56 °C) |
| Autoignition temperature: | 398.3 °C (748.94 °F) |
| Flammable/Explosive limits - lower: | 2.3 % |
| Flammable/Explosive limits - upper: | 12.7 % |
| Extinguishing media: | Foam, dry chemical or carbon dioxide. |
| Special firefighting procedures: | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| Unusual fire or explosion hazards: | None |
| Hazardous combustion products: | Oxides of carbon. Carboxylic acids. Aldehydes. Irritating organic vapours. |

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: | Do not allow product to enter sewer or waterways. |
| Clean-up methods: | Remove all sources of ignition. Maintain good ventilation for large spills. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal. |

7. HANDLING AND STORAGE

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation. Keep away from heat, spark and flame.

Storage: Store away from heat, sparks, flames, or other sources of ignition. Store in original container until ready to use.

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 |
|----------------------------|--|--|-----------|--------|
| Kaolin | 2 mg/m ³ TWA Respirable fraction. | 15 mg/m ³ TWA Total dust. 5 mg/m ³ TWA Respirable fraction. | None | None |
| Castor oil, oxidized | None | None | None | None |
| Rosin | Exposure by all routes should be carefully controlled to levels as low as possible. Included in the regulation but with no data values. See regulation for further details (Sensitiser.) | None | None | None |
| Methyl acetate | 200 ppm TWA 250 ppm STEL | 200 ppm (610 mg/m ³) TWA | None | None |
| Talc | 2 mg/m ³ TWA Respirable fraction. | 2.4 MPPCF TWA Respirable. 0.1 mg/m ³ TWA Respirable. 20 MPPCF TWA 0.3 mg/m ³ TWA Total dust. | None | 50 ppm |
| Lecithins, soybean | None | None | None | None |
| Titanium dioxide | 10 mg/m ³ TWA | 15 mg/m ³ TWA Total dust. | None | None |
| Carbon black | 3 mg/m ³ TWA Inhalable fraction. | 3.5 mg/m ³ TWA | None | None |
| Quartz (SiO ₂) | 0.025 mg/m ³ TWA Respirable fraction. | 2.4 MPPCF TWA Respirable. 0.1 mg/m ³ TWA Respirable. 0.3 mg/m ³ TWA Total dust. | None | None |
| Methanol | 200 ppm TWA (SKIN) 250 ppm STEL | 200 ppm (260 mg/m ³) TWA | None | None |

Engineering controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection: Safety goggles or safety glasses with side shields.

Skin protection:

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|--------------------------|
| Physical state: | Liquid, viscous |
| Color: | Black, dark brown |
| Odor: | Alcoholic |
| Odor threshold: | Not available. |
| pH: | Not available. |
| Vapor pressure: | 33 mm hg |
| Boiling point/range: | 82.2 °C (180°F) |
| Melting point/ range: | Not available. |
| Specific gravity: | 1.37 |
| Vapor density: | Heavier than air. |
| Flash point: | < 22 °F (< -5.56 °C) |
| Flammable/Explosive limits - lower: | 2.3 % |
| Flammable/Explosive limits - upper: | 12.7 % |
| Autoignition temperature: | 398.3 °C (748.94 °F) |
| Evaporation rate: | Not available. |
| Solubility in water: | Partially soluble |
| Partition coefficient (n-octanol/water): | Not determined |
| VOC content: | 0 %; 0 g/l EPA Method 24 |

10. STABILITY AND REACTIVITY

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|--|---|
| Stability: | Stable |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Oxides of carbon. Aldehydes. |
| Incompatible materials: | Flammable materials. Strong oxidizing agents. |
| Conditions to avoid: | Heat, flames, sparks and other sources of ignition. |

11. TOXICOLOGICAL INFORMATION

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|----------------------------|----------------------------------|-----------------|---|
| Kaolin | No | No | No |
| Castor oil, oxidized | No | No | No |
| Rosin | No | No | No |
| Methyl acetate | No | No | No |
| Talc | No | No | No |
| Lecithins, soybean | No | No | No |
| Titanium dioxide | No | Group 2B | No |
| Carbon black | No | Group 2B | No |
| Quartz (SiO ₂) | Known To Be Human Carcinogen. | Group 1 | No |
| Methanol | No | No | No |

| Hazardous components | Health Effects/Target Organs |
|----------------------------|---|
| Kaolin | Nuisance dust |
| Castor oil, oxidized | No Records |
| Rosin | Respiratory, Irritant, Allergen |
| Methyl acetate | Blood, Central nervous system, Eyes, Irritant |
| Talc | Irritant, Lung, Some evidence of carcinogenicity |
| Lecithins, soybean | No Target Organs |
| Titanium dioxide | Irritant, Respiratory, Some evidence of carcinogenicity |
| Carbon black | Respiratory, Some evidence of carcinogenicity |
| Quartz (SiO ₂) | Immune system, Lung, Some evidence of carcinogenicity |
| Methanol | Eyes, Heart, Irritant, Kidney, Liver, Metabolic, Nervous System, Reproductive |

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

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: D001: Ignitable.

14. TRANSPORT INFORMATION

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

Proper shipping name: Resin solution
Hazard class or division: 3
Identification number: UN 1866
Packing group: II

International Air Transportation (ICAO/IATA)

Proper shipping name: Resin solution
Hazard class or division: 3
Identification number: UN 1866
Packing group: II
Exceptions: (Not more than 500 ml), Consumer Commodity ORM-D, ID8000

Water Transportation (IMO/IMDG)

Proper shipping name: RESIN SOLUTION
Hazard class or division: 3
Identification number: UN 1866
Packing group: II

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: Blown castor oil (CAS# 68187-84-8).
CERCLA/SARA Section 302 EHS: None above reporting de minimis
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health, Fire
CERCLA/SARA 313: None above reporting de minimis
California Proposition 65: 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:

B.2, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Reviewed MSDS. Reissued with new date.

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