

(10782)

Material Safety Data Sheet



Revision Number: 003.2

Issue date: 01/20/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Color Guard® Black Tough Rubber Coating
Product use: Coating
Company address: Henkel Corporation, 2225 Meadowpine Boulevard, Mississauga, Ontario L5N 7P2
IDH number: 338124
Item number: 34979
Region: Canada
Contact information: Telephone: 905.814.6511, Emergency telephone: 905.814.6511, Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Physical state: liquid
Color: Black
Odor: Solvent
WHMIS hazard class: B.2, D.2.A, D.2.B
DANGER: EXTREMELY FLAMMABLE LIQUID AND VAPOR. MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE EYE AND RESPIRATORY TRACT IRRITATION.

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

Potential Health Effects

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged exposure to solvents may cause adverse effects to the liver, urinary, and reproductive systems.
Skin contact: Contact may dry the skin; prolonged contact may cause moderate irritation.
Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation. Contact with eyes will cause irritation.
Ingestion: May be harmful if swallowed.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders. Heart disease. Pulmonary diseases. Kidney disease.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Table with 3 columns: Hazardous components, CAS NUMBER, %

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.

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APPROVED BY [Signature]

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| | |
|----------------------|--|
| 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. Get medical attention. |
| Ingestion: | Do not induce vomiting. Keep individual calm. Never give anything by mouth to an unconscious person. If symptoms develop and persist, get medical attention. |

5. FIRE FIGHTING MEASURES

| | |
|--|---|
| Flash point: | -23 °C (-9.4 °F) |
| Autoignition temperature: | Not available. |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Extinguishing media: | Foam, extinguishing powder, carbon dioxide. |
| Special firefighting procedures: | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| Unusual fire or explosion hazards: | In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO ₂) can be released. In case of fire, keep containers cool with water spray. |
| Hazardous combustion products: | Oxides of carbon, oxides of nitrogen, irritating organic vapors. |
| Sensitivity to Mechanical Impact: | Not available. |
| Sensitivity to static discharge: | Not available. |

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. Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed container until ready for disposal. |

7. HANDLING AND STORAGE

| | |
|------------------|---|
| Handling: | Avoid contact with skin and clothing. Avoid breathing vapors or mists of this product. Keep away from heat, spark and flame. |
| Storage: | For safe storage, store at or below 48 °C (118.4 °F) Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. |

For information on product shelf life contact Henkel Canada Customer Service at (905) 814-6511.

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 |
|--|--|---|-----------|-------|
| Solvent naphtha, petroleum, light aliph. | None | None | None | None |
| n-Hexane | (SKIN) 50 ppm TWA | 500 ppm (1,800 mg/m ³) TWA | None | None |
| Xylenes | 100 ppm TWA 150 ppm STEL | 100 ppm (435 mg/m ³) TWA | None | None |
| Acetone | 500 ppm TWA 750 ppm STEL | 1,000 ppm (2,400 mg/m ³) TWA | None | None |
| Ethylbenzene | 20 ppm TWA | 100 ppm (435 mg/m ³) TWA | None | None |
| Silica, amorphous, fumed, crystal-free | 10 mg/m ³ TWA Inhalable dust. 3 mg/m ³ TWA Respirable fraction. | 20 MPPCF TWA 0.8 mg/m ³ TWA | None | None |
| Carbon black | 3.5 mg/m ³ TWA 3 mg/m ³ TWA Inhalable fraction. | 3.5 mg/m ³ TWA | None | None |

| | |
|--------------------------------|---|
| Engineering controls: | Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established 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: | Chemical resistant, impermeable gloves. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---------------------------------|
| Physical state: | liquid |
| Color: | Black |
| Odor: | Solvent |
| Odor threshold: | Not available. |
| pH: | Not available. |
| Vapor pressure: | 185 mm hg (20 °C (68°F)) |
| Boiling point/range: | 56.1 - 141.1 °C (133°F - 286°F) |
| Melting point/ range: | Not available. |
| Specific gravity: | 0.83 |
| Vapor density: | > 1 |
| Flash point: | -23 °C (-9.4 °F) |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Autoignition temperature: | Not available. |
| Evaporation rate: | Greater than butyl acetate. |
| Solubility in water: | Insoluble |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | 67.0 %; 556 g/l |

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | None |
| Incompatible materials: | Strong acids and strong bases. Strong oxidizing agents. Amines. Alkali metals. Halogenated compounds. |
| Conditions to avoid: | Store away from incompatible materials. Heat, flames, sparks and other sources of ignition. |

11. TOXICOLOGICAL INFORMATION

Toxicologically synergistic products: Not available.

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

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) | ACGIH Carcinogen |
|--|----------------|-----------------|--|------------------|
| Solvent naphtha, petroleum, light aliph. | No | No | No | No |
| n-Hexane | No | No | No | No |
| Xylenes | No | No | No | Group A4 |
| Acetone | No | No | No | Group A4 |
| Ethylbenzene | No | Group 2B | No | Group A3 |
| Silica, amorphous, fumed, crystal-free | No | No | No | No |
| Carbon black | No | Group 2B | No | Group A4Group A3 |

| Hazardous components | LD50s and LC50s | Health Effects/Target Organs |
|--|--|---|
| Solvent naphtha, petroleum, light aliph. | None | Irritant |
| n-Hexane | Oral LD50 (RAT) = 24 mg/kg Oral LD50 (rat) = 49 mg/kg Oral LD50 (RAT) = 43.5 mg/kg Oral LD50 (RAT) = 28,710 mg/kg Inhalation LC50 (RAT, 4 h) = 48,000 mg/l | Developmental, Irritant, Lung, Nervous System, Reproductive |
| Xylenes | Oral LD50 (RAT) = 3,523 - 8,600 mg/kg Oral LD50 (RAT) = 6,670 mg/kg Oral LD50 (RAT) = 4,300 mg/kg Dermal LD50 (rabbit) > 43 g/kg Inhalation LC50 (RAT, 4 h) = 6,350 mg/l | Cardiac, Central nervous system, Irritant, Kidney, Liver |
| Acetone | Oral LD50 (RAT) = 5,800 mg/kg Oral LD50 (rabbit) = 5,340 mg/kg Oral LD50 (RAT) = 9,800 mg/kg Dermal LD50 (rabbit) = 20,000 mg/kg Dermal LD50 (rabbit) = 20 mg/kg Inhalation LC50 (RAT, 4 h) = 76 mg/l Inhalation LC50 (RAT, 8 h) = 50.1 mg/l | Blood, Central nervous system, Irritant, Reproductive |
| Ethylbenzene | Oral LD50 (RAT) = 3,500 mg/kg Oral LD50 (RAT) = 5.46 g/kg Dermal LD50 (rabbit) = 17,800 mg/kg | Irritant, Central nervous system |
| Silica, amorphous, fumed, crystal-free | None | Nuisance dust |
| Carbon black | Oral LD50 (RAT) > 8,000 mg/kg | Respiratory, Some evidence of carcinogenicity |

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.

14. TRANSPORT INFORMATION

The shipping classifications in this sections are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

Canada Transportation of Dangerous Goods - Ground

Proper shipping name: COATING SOLUTION
Hazard class or division: 3
Identification number: UN 1139
Packing group: II

International Air Transportation (ICAO/IATA)

Proper shipping name: Coating solution
Hazard class or division: 3
Identification number: UN 1139
Packing group: II

Water Transportation (IMO/IMDG)

Proper shipping name: COATING SOLUTION
Hazard class or division: 3
Identification number: UN 1139
Packing group: II

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian 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 Regulation (CPR), and the MSDS contains all the information required by the CPR.

Prepared by: Lou Fabrizio, Regulatory Affairs Specialist

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