

Safety Data Sheet

1 Identification of the substance/preparation and of the company/undertaking

.Product details

.Trade name: DETECTABLE UNDERGROUND WARNING TAPE

.End Uses: Protective pipe,cable

.Manufacturer/Supplier: L.H. Dottie Company
6131 Garfield Ave.
Commerce, CA 90040

Tel: 323-725-1000

Fax: 323-721-0000

.Further information obtainable from: L.H. Dottie Company

.Information in case of emergency: L.H. Dottie Company
6131 Garfield Ave.
Commerce, CA 90040

Tel: 323-725-1000

Fax: 323-721-0000

2 Hazards identification

Potential Health Effects:



NFPA

.Emergency Overview: Irritating vapors to respiratory system and eyes may form when polymer is processed at high temperatures. Molten or heated material in skin contact can cause severe burns

.Routes of Entry: For hot material; Skin contact. Eye contact. Inhalation.

.Potential Acute Health Effects:

.Eyes: This product is not known to cause eye irritation. However, as with any chemical, some sensitive individuals may experience eye irritation upon contact. **Heated Polymer:** Eye contact can cause serious thermal burns. Vapors formed when polymer is heated may be irritating to the eyes.

.Skin: No Known acute effects of this product resulting from skin contact at room temperature. **Heated Polymer:** Skin contact can cause serious thermal burns.

.Inhalation: Negligible hazard at room temperature. Nuisance dusts can be irritating to the upper respiratory tract. Irritating vapors may form when the polymer is processed at high temperatures.

.Ingestion: No effects are expected for ingestion of small amount. May be a choking hazard.

.Potential Chronic Health Effects:

.Carcinogenic Effects: Classified none by NTP, None by OSHA. 3(not classifiable for human) by IARC.

.Medical Conditions Aggravated by Overexposure: There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.

3 Composition/information on ingredients

.Dangerous Components: None

.Description: Mixture of substances listed below with additions.

| .Product Name: | CAS Number | Weight Percent (%) |
|-----------------------|-------------------|---------------------------|
| Polyethylene | 9002-88-4 | 68.5% |
| Aluminum | 7429-90-5 | 14.5% |
| Polypropylene | 9003-07-0 | 17% |

4 First aid measures

.After inhalation: Allow the victim to rest in a well ventilated area.

.After skin contact: Polymer. Not known effect on skin contact, rinse with water for few minutes. Heated Polymer. For serious burns from heated polymer , get medical attention in case of skin contact, immediately immerse in or flush with clean, cold water.

.After eye contact: Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

.After swallowing: If symptoms persist consult doctor.

.Ingestion: No First Aid procedures are needed.

.Noted to Physician: Not available.

5 Fire-fighting measures

.Flammability of the product: May be combustible at high temperature.

.Auto-ignition Temperature: 800.6 F.

.Flash Point: Not available..

.Flammable Limits: Not available.

.Products of Combustion: Carbon Oxides and soot.

.Fire Hazards in Presence of Various Substances: No specific information is available in our database regarding the flammability of this product in presence of various materials.

.Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not expected.

Risks of Explosion of the product in presence of static discharge: Possible.

Risk of explosion form dust accumulation of this product is possible. See section 7 Handling for more information

.Special Remarks on Explosion Hazards: Processing or material handling equipment may generate dust of sufficiently small

particle size, that when suspended in air may be explosive.

6 Accidental release measures

.Small Spill and Leak: Pellets on the floor could present a serious slipping problem. Good housekeeping must be maintained at all times to avoid this hazard. Pellets on the floor could present a serious slipping problem.

.Large Spill and Leak: Use a shovel to put the material into a convenient waste disposal container. Do not allow any potentially contaminated water with pellets to enter any waterway, sewer or drain.

7 Handling and storage

.Handling: Avoid Temperatures of 600°F (316°C) or above. Handling of plastic may form nuisance dust. Protect personnel. Pneumatic material handling and processing equipment may generate dust of sufficiently small particle size that, when suspended in air, may be explosive. Dust accumulations should be controlled through a comprehensive dust control program that includes, but is not limited to, source capture, inspection and repair of leaking equipment, routine housekeeping and employee training in hazards. See NFPA 654.

.Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

8 Exposure controls/personal protection

.Additional information about design of technical facilities: No further data; see item 7.

.Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

.Additional information: The lists valid during the making were used as basis.

.Personal protective equipment:

.General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

.Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

.Protection of hands:

.Protective gloves

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests not recommendation to the glove material can be given for the product /the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

.Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from

manufacturer to manufacturer, As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

.Penetration time of glove material

The exact break trough time has to be found out by manufacturer of the protective of gloves and has to be observed.

.Eye protection: Goggles recommended during refilling

9 Physical and chemical properties

| | |
|--|--|
| .General Information | |
| Form: | Soild |
| Color: | Red |
| Odor: | Odours |
| .Change in condition | |
| Melting point/Melting range: | Not available |
| Boiling point/Boiling range: | Not available |
| .Flash point: | Not applicable |
| .Self-igniting: | Product is not self-igniting |
| .Danger of explosion: | Product does not present an explosion hazard |
| .Density: | Not determined |
| .Relative density: | Not available |
| .Vapor density: | Not available |
| .Evaporation rate | Not Applicable |
| .Solubility in/Miscibility with | |
| Water: | Slightly Soluble In Water |
| .PH-Value: | Not available |
| .Viscosity: | |
| Dynamic: | Not available |

10 Stability and reactivity

.Chemical Stability: The product is stable at room temperature in closed containers under normal storage and handling conditions.

.Conditions to Avoid: temperatures of 600°F (316°C) or above.

.Incompatibilities with Other Materials: Reactive with strong oxidizing agents.

.Hazardous Decomposition Products: Hazardous decomposition products are carbon monoxide, carbon dioxide, dense smoke, and various hydrocarbons. Exposure of polystyrene to extremely high temperatures (600 deg F or higher) may cause partial decomposition. Chemicals that may be released include styrene monomer, benzene, and other hydrocarbons.

.Hazardous Polymerization: Hazardous polymerization will not occur.

11 Toxicological information

- .Pleas refers to section 3 for hazards identification.**
- .Acute Toxicity Data:** *The following results are for a similar product.*
- .Primary irritant effect:** *None*
- .on the skin:** *Irritant to skin and mucous membranes if soluble*
- .on the eye:** *Sensitizing effects known.*
- .Carcinogenicity:** *None Determined.*
- .Mutagenicity:** *None Detemined.*
- .Teratogenicity:** *None Determined.*
- .LD 50:** *Not available.*
- .LC50:** *Not available.*

12 Ecological information

- .Ecotoxical effects:** *None Established*
- .General notes:**
 - Do not allow product to reach ground water, water course or sewage system.*
 - Danger to drinking water if even quantities leak into the ground.*
 - Also poisonous for fish and plankton in water bodies.*
- .Ecotoxicity:** *Not available.*
- .BOD5 and COD:** *Not available.*
- .Biodegradable/OECD:** *Not available.*
- .Mobility:** *Not available.*

13 Disposal considerations

- .Waste Information:** *Transfer to an approved disposal area in accordance with federal, state, and local regulations.*
- .Waste Stream:** *Not available.*
- .Consult your local or regional authorities.**

14 Transport information

- .International transport regulation**
- .DOT:** *Not Classified*
- .LATA:** *Not Classified*
- .IMDG:** *Not Classified*

15 Regulatory information

.HCS Classification: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

. U.S. Federal Regulations: TSCA (Toxic Substance Control Act): This product is listed on the TSCA Inventory.

SARA 301/302/303:No chemicals in this product are listed as extremely hazards substances in 40 CFR 355, Emergency Planning And Notification (Appendix A to Part 355).

SARA 304: No chemicals in this product require reporting under the requirement of 40 CFR 355, Emergency Planning And Notification (SARA extremely hazardous substances listed in Appendix A to Part 355 or CERCLA hazardous substances listed in Table 302.4 of 40 CFR Part 302).

SARA 313:This product contains no chemicals in excess of the applicable de minimis concentration that are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Table 372.65).

SARA 311/312: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and as such does not require reporting under the requirements of 40 CFR 370, Hazardous Chemical Reporting: Community Right-To-Know.

Specific state and local regulations should be consulted to determine if there are any additional requirements. Because many states and localities have added requirements or incorporated

Clean water act (CWA) 307: No products were found.

Clean water act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

the Federal contents in their own forms, Tier I & II should be obtained from the State Emergency Response Commission (SERC)

16 Other information

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1907/2006, EU Commission Directive 1999/45/EC, 1967/548/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handing, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may be applicable.

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