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Version 1

1. IDENTIFICATION**Product identifier****Product Name** Dripstop 944**Other means of identification****Product Code** MS-944**UN/ID no.** None**Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended Use** Anaerobic Adhesive.**Uses advised against** None known**Details of the supplier of the safety data sheet****Manufacturer Address**Hernon Manufacturing Inc.
121 Tech Drive
Sanford, FL 32771
800-527-0004**Emergency telephone number****Company Phone Number** 407-322-4000**Emergency Telephone** Chemtel 800-255-3924**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

| | |
|--|-------------|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |
| Reproductive toxicity | Category 1B |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Acute aquatic toxicity | Category 1 |
| Chronic aquatic toxicity | Category 2 |
| Flammable liquids | Category 4 |

Label elements**Emergency Overview****Danger****Hazard statements**

Causes skin irritation

Causes serious eye irritation

May damage fertility or the unborn child

May cause damage to organs through prolonged or repeated exposure

Very toxic to aquatic life

Toxic to aquatic life with long lasting effects

Combustible liquid

**Appearance** No information available**Physical state** liquid**Odor** mild**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves/protective clothing/eye protection/face protection
 Wash face, hands and any exposed skin thoroughly after handling
 Do not breathe dust/fume/gas/mist/vapors/spray
 Keep away from flames and hot surfaces. - No smoking
 Avoid release to the environment

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 Specific treatment (see supplemental first aid instructions on this label)
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of water and soap
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash it before reuse
 In case of fire: Use CO₂, dry chemical, or foam to extinguish
 Collect spillage

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

May be harmful if swallowed

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance**

| Chemical Name | CAS No. | Weight-% | Trade Secret |
|------------------------------------|------------|----------|--------------|
| Polyethylene Glycol Dimethacrylate | 25852-47-5 | 50-55 | * |
| Dibutyl phthalate | 84-74-2 | 35-40 | * |
| Cellulose Acetate Butrate | 9004-36-8 | 5-10 | * |
| Cumene Hydroperoxide | 80-15-9 | 1-3 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

| | |
|---------------------|--|
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash with soap and water. Flush skin with water for several minutes. Remove contaminated clothing and shoes. If irritation develops, seek medical attention. Wash clothing before reuse. |
| Inhalation | Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately. |
| Ingestion | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use CO2, dry chemical, or foam.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Irritating organic vapors.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| | |
|---------------------------------|---|
| Personal precautions | Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. |
| For emergency responders | Use personal protection recommended in Section 8. |

Environmental precautions

| | |
|----------------------------------|---|
| Environmental precautions | Do not allow into any sewer, on the ground or into any body of water. See Section 12 for additional ecological information. |
|----------------------------------|---|

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Ensure adequate ventilation, especially in confined areas.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep at temperatures between 7 and 29 °C.

Incompatible materials None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|------------------------------|--------------------------|--|--|
| Dibutyl phthalate 84-74-2 | TWA: 5 mg/m ³ | TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³ | IDLH: 4000 mg/m ³ TWA: 5 mg/m ³ |

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing. Use rubber or plastic gloves.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

| | | | |
|-----------------------|--------------------------|-----------------------|--------------------------|
| Physical state | Liquid | Odor | Mild |
| Appearance | No information available | Odor threshold | No information available |
| Color | Brown | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---------------------------------------|--------------------------|--------------------------------|
| pH | Does not apply | |
| Melting point / freezing point | No information available | |
| Boiling point / boiling range | > 149 °C / 300 °F | |
| Flash point | > 93 °C / 200 °F | |

| | |
|------------------------------|--------------------------|
| Evaporation rate | No information available |
| Flammability (solid, gas) | No information available |
| Flammability Limit in Air | |
| Upper flammability limit: | No information available |
| Lower flammability limit: | No information available |
| Vapor pressure | < 10 mm Hg @80°C |
| Vapor density | No information available |
| Relative density | 1.07 |
| Water solubility | slightly soluble |
| Solubility in other solvents | No information available |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Kinematic viscosity | No information available |
| Dynamic viscosity | No information available |
| Explosive properties | No information available |
| Oxidizing properties | No information available |

Other Information

| | |
|------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| VOC Content (%) | 1.64% |
| Density | No information available |
| Bulk density | No information available |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Incompatible materials.

Incompatible materials

None.

Hazardous Decomposition Products

None.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

| | |
|---------------------|--|
| Inhalation | May cause irritation of respiratory tract. |
| Eye contact | Irritating to eyes. |
| Skin contact | May cause irritation. |
| Ingestion | May be harmful if swallowed. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------------------------|----------------------|--------------------------|--------------------------|
| Dibutyl phthalate 84-74-2 | = 7499 mg/kg (Rat) | > 20 mL/kg (Rabbit) | > 15.68 mg/L (Rat) 4 h |
| Cumene Hydroperoxide 80-15-9 | = 382 mg/kg (Rat) | = 0.126 mL/kg (Rabbit) | = 220 ppm (Rat) 4 h |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity No information available.
Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 4,373.00 mg/kg
ATEmix (dermal) 12,430.00 mg/kg
ATEmix (inhalation-dust/mist) 8.09 mg/l

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic to aquatic life with long lasting effects

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|---------------------------------|--|--|---|
| Dibutyl phthalate 84-74-2 | 1.2: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 0.4: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static | 0.31 - 5.45: 96 h <i>Pimephales promelas</i> mg/L LC50 static 0.42 - 1.28: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 0.71 - 1.2: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 1.24 - 5.3: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 1.38 - 1.74: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 1.24: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through | 2.99: 48 h <i>Daphnia magna</i> mg/L EC50 Static 3.4: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Cumene Hydroperoxide 80-15-9 | - | 3.9: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static | 7: 24 h <i>Daphnia magna</i> mg/L EC50 |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|------------------------------|-----------------------|
| Dibutyl phthalate 84-74-2 | 5.38 |

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging

Do not reuse container.

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---------------------------------|------|-----------------------------------|------------------------|------------------------|
| Dibutyl phthalate 84-74-2 | U069 | Included in waste stream: F039 | - | U069 |
| Cumene Hydroperoxide 80-15-9 | - | - | - | U096 |

| Chemical Name | California Hazardous Waste Status |
|---------------------------------|-----------------------------------|
| Cumene Hydroperoxide 80-15-9 | Toxic Ignitable |

14. TRANSPORT INFORMATION

DOT
 UN/ID no. Not regulated
 Proper shipping name None
 Hazard Class Not regulated
 Packing Group None
 Special Provisions None

IATA
 UN/ID no. Not regulated
 Proper shipping name None
 Hazard Class Not regulated
 Packing Group None
 Special Provisions None

IMDG
 UN/ID no. Not regulated
 Proper shipping name None
 Hazard Class Not regulated
 Packing Group None
 Special Provisions None
 Marine pollutant None

RID
 UN/ID no. Not regulated
 Proper shipping name None
 Hazard Class Not regulated
 Packing Group None
 Special Provisions None

ADR
 UN/ID no. Not regulated
 Proper shipping name None
 Hazard Class Not regulated
 Packing Group None
 Special Provisions None

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
 DSL/NDSL Complies

| | |
|---------------|----------|
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

All ingredients are on the inventory or are exempt from listing.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | SARA 313 - Threshold Values % |
|--------------------------------|-------------------------------|
| Dibutyl phthalate - 84-74-2 | 1.0 |
| Cumene Hydroperoxide - 80-15-9 | 1.0 |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | Yes |

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Dibutyl phthalate 84-74-2 | 10 lb | X | X | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------------------------|--------------------------|----------------|--|
| Dibutyl phthalate 84-74-2 | 10 lb | - | RQ 10 lb final RQ RQ 4.54 kg final RQ |
| Cumene Hydroperoxide 80-15-9 | 10 lb | - | RQ 10 lb final RQ RQ 4.54 kg final RQ |

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

| Chemical Name | California Proposition 65 |
|-----------------------------|---|
| Dibutyl phthalate - 84-74-2 | Developmental Female Reproductive Male Reproductive |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------------------------|------------|---------------|--------------|
| Dibutyl phthalate 84-74-2 | X | X | X |
| Cumene Hydroperoxide 80-15-9 | X | X | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|-------------|-------------------|----------------|--------------------|------------------------------------|
| NFPA | Health hazards 0 | Flammability 0 | Instability 0 | Physical and Chemical Properties - |
| HMIS | Health hazards 2* | Flammability 1 | Physical hazards 1 | Personal protection X |

Prepared By SDS coordinator

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Revision Note

No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet