

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

**Issue Date** 04-May-2015

**Revision Date** 26-Dec-2017

**Version** 1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code** MS-746  
**Product Name** Dissipator 746

Contains Cumene Hydroperoxide, TETRAHYDROFURFURYL METHACRYLATE, Hydroxypropyl Methacrylate

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Adhesives  
**Uses advised against** None known

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer**  
Hernon Manufacturing Inc.  
121 Tech Drive  
Sanford, FL 32771  
800-527-0004

For further information, please contact

**Contact Point** customerservice@hernon.com

### 1.4. Emergency telephone number

**Emergency Telephone** Chemtel 800-255-3924

|   |
|---|
| <b>Emergency Telephone</b> - \$45 - (EC)1272/2008 |
| <b>Europe</b> 112                                 |

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

**Regulation (EC) No 1272/2008**

|  |                       |
|--|-----------------------|
| Acute toxicity - Inhalation (Dusts/Mists)        | Category 3 - (H331)   |
| Serious eye damage/eye irritation                | Category 2 - (H319)   |
| Skin sensitization                               | Category 1 - (H317)   |
| Reproductive Toxicity                            | Category 1B - (H360D) |
| Specific target organ toxicity (single exposure) | Category 3 - (H335)   |
| Chronic aquatic toxicity                         | Category 3 - (H412)   |

### 2.2. Label elements

**Product identifier**

Contains Cumene Hydroperoxide, TETRAHYDROFURFURYL METHACRYLATE, Hydroxypropyl Methacrylate

**Signal word**

Danger

**Hazard statements**

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H331 - Toxic if inhaled

H335 - May cause respiratory irritation

H412 - Harmful to aquatic life with long lasting effects

H360D - May damage the unborn child

**Precautionary Statements - EU (§28, 1272/2008)**

P201 - Obtain special instructions before use

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P273 - Avoid release to the environment

P280 - Wear protective gloves and eye/face protection

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P362 - Take off contaminated clothing and wash before reuse

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P501 - Dispose of contents/ container to an approved waste disposal plant

**2.3. Other hazards**

No information available

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances**

| Chemical Name                   | EC No.    | CAS No.    | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP]   | REACH Registration Number |
|---------------------------------|-----------|------------|----------|---|---------------------------|
| OFF-WHITE HYDRATED ALUMINA      | 244-492-7 | 21645-51-2 | 40 - 70  | No data available   | No data available         |
| TETRAHYDROFURFURYL METHACRYLATE | 219-529-5 | 2455-24-5  | 10 - 30  | Skin Sens. 1 (H317)<br>Repr. 1B(H360D)<br>Aquatic Chronic 3 (H412)  | No data available         |
| Hydroxypropyl Methacrylate      | 248-666-3 | 27813-02-1 | 3 - 7    | Eye Irrit. 2 (H319)<br>Skin Sens. 1 (H317)  | No data available         |
| Cumene Hydroperoxide            | 201-254-7 | 80-15-9    | 1 - 5    | Acute Tox. 4 (H302)<br>Acute Tox. 4 (H312)<br>Acute Tox. 3 (H331)<br>Skin Corr. 1B (H314)<br>STOT SE 3 (H335)<br>STOT RE 2 (H373)<br>Aquatic Chronic 2 (H411)<br>Org. Perox. E (H242) | No data available         |

**Full text of H- and EUH-phrases: see section 16**

## Section 4: FIRST AID MEASURES

**4.1. Description of first aid measures****Inhalation**

Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.

|                     |  |
|---------------------|--|
| <b>Skin contact</b> | 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. |
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.   |
| <b>Ingestion</b>    | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.  |

#### **4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms** Avoid prolonged contact with eyes, skin, and clothing.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

### **Section 5: FIRE FIGHTING MEASURES**

#### **5.1. Extinguishing media**

**Suitable extinguishing media**

Use CO<sub>2</sub>, dry chemical, or foam.

**Unsuitable extinguishing media**

None

#### **5.2. Special hazards arising from the substance or mixture**

No information available

**Hazardous combustion products** Carbon oxides. Nitrogen oxides (NO<sub>x</sub>). Irritating organic vapors.

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

### **Section 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1. 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.

#### **6.2. Environmental precautions**

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

#### **6.3. Methods and material for containment and cleaning up**

**Methods for containment**

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up**

Soak up with inert absorbent material. Take up mechanically, placing in appropriate

containers for disposal.

#### **6.4. Reference to other sections**

See section 8 for more information. See section 13 for more information.

## **Section 7: HANDLING AND STORAGE**

### **7.1. 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.

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Storage Conditions**

Keep at temperatures between 7 and 29 °C.

#### **Incompatible materials**

Strong oxidizers.

### **7.3. Specific end use(s)**

#### **Specific use(s)**

Adhesives and/or sealants.

#### **Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

## **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control parameters**

| Chemical Name                            | European Union  | United Kingdom  | France   | Spain  | Germany   |
|--|---|---|--|--------|---|
| OFF-WHITE HYDRATED ALUMINA<br>21645-51-2 | -   | TWA: 10 mg/m <sup>3</sup><br>TWA: 4 mg/m <sup>3</sup> | -  | -      | -   |
| Chemical Name                            | Austria   | Switzerland   | Poland   | Norway | Ireland   |
| OFF-WHITE HYDRATED ALUMINA<br>21645-51-2 | TWA: 5 mg/m <sup>3</sup><br>STEL 10 mg/m <sup>3</sup> | -   | TWA: 2.5 mg/m <sup>3</sup><br>TWA: 1.2 mg/m <sup>3</sup> | -      | TWA: 10 mg/m <sup>3</sup><br>TWA: 4 mg/m <sup>3</sup><br>STEL: 30 mg/m <sup>3</sup><br>STEL: 12 mg/m <sup>3</sup> |

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

### **8.2. Exposure controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

#### **Personal protective equipment**

##### **Eye/face protection**

Wear safety glasses with side shields (or goggles).

##### **Hand Protection**

Wear protective gloves. Wear protective nitrile rubber gloves.

##### **Skin and body protection**

Suitable protective clothing.

##### **Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Environmental exposure controls** No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|                       |                          |                       |                          |
|-----------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | Paste                    | <b>Odor</b>           | Mild                     |
| <b>Appearance</b>     | No information available | <b>Odor threshold</b> | No information available |
| <b>Color</b>          | White                    |                       |                          |

| <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                 | < 5mm @ 80° F            |                          |
| Vapor density                  |                          | No information available |
| Relative density               | 1.62                     |                          |
| Water solubility               | Slightly soluble         |                          |
| Solubility(ies)                |                          | 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 |                          |

### 9.2. Other information

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | No information available |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

### 10.3. Possibility of hazardous reactions

#### **Possibility of Hazardous Reactions**

None under normal processing.

**10.4. Conditions to avoid**

Incompatible materials.

**10.5. Incompatible materials**

Strong oxidizers.

**10.6. Hazardous decomposition products**

Carbon oxides. Nitrogen oxides (NOx). Irritating organic vapors.

**Section 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Acute toxicity****Product Information**

|                     |                    |
|---------------------|--------------------|
| <b>Inhalation</b>   | No data available. |
| <b>Eye contact</b>  | No data available. |
| <b>Skin contact</b> | No data available. |
| <b>Ingestion</b>    | No data available. |

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

|                                      |                |
|--------------------------------------|----------------|
| <b>ATEmix (oral)</b>                 | 3,984.00 mg/kg |
| <b>ATEmix (dermal)</b>               | 2,254.00 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 0.79 mg/l      |

| Chemical Name              | Oral LD50             | Dermal LD50              | Inhalation LC50                                 |
|----------------------------|-----------------------|--------------------------|---|
| OFF-WHITE HYDRATED ALUMINA | > 5000 mg/kg ( Rat )  |                          |   |
| Hydroxypropyl Methacrylate | = 11200 mg/kg ( Rat ) | > 3000 mg/kg ( Rabbit )  |   |
| Cumene Hydroperoxide       | = 382 mg/kg ( Rat )   | = 0.126 mL/kg ( Rabbit ) | = 220 ppm ( Rat ) 4 h                           |
| METHANOL                   | = 6200 mg/kg ( Rat )  | = 15800 mg/kg ( Rabbit ) | = 22500 ppm ( Rat ) 8 h = 64000 ppm ( Rat ) 4 h |

|  |                           |
|--|---------------------------|
| <b>Skin corrosion/irritation</b>         | No information available. |
| <b>Serious eye damage/eye irritation</b> | No information available. |
| <b>Sensitization</b>                     | No information available. |
| <b>Germ cell mutagenicity</b>            | No information available. |
| <b>Carcinogenicity</b>                   | No information available. |
| <b>Reproductive toxicity</b>             | No information available. |
| <b>STOT - single exposure</b>            | No information available. |
| <b>STOT - repeated exposure</b>          | No information available. |
| <b>Aspiration hazard</b>                 | No information available. |

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

| Chemical Name                   | Algae/aquatic plants | Fish   | Crustacea                       |
|---------------------------------|----------------------|--|---------------------------------|
| TETRAHYDROFURFURYL METHACRYLATE | -                    | 31.1 - 38.8: 96 h Pimephales promelas mg/L LC50 flow-through | -                               |
| Hydroxypropyl Methacrylate      | -                    | 493: 48 h Leuciscus idus melanotus mg/L LC50 static          | -                               |
| Cumene Hydroperoxide            | -                    | 3.9: 96 h Oncorhynchus mykiss mg/L LC50 static               | 7: 24 h Daphnia magna mg/L EC50 |

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

#### **Mobility in soil**

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste from residues/unused products**

Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging**

Improper disposal or reuse of this container may be dangerous and illegal.

## Section 14: TRANSPORT INFORMATION

### IMDG

|   |                          |
|---|--------------------------|
| 14.1 UN/ID no.  | None                     |
| 14.2 Proper shipping name   | Not regulated            |
| 14.3 Hazard Class   | None                     |
| 14.4 Packing Group  | None                     |
| 14.5 Marine pollutant   | Not applicable           |
| 14.6 Special Provisions   | None                     |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No information available |

### IATA

|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID no.            | None           |
| 14.2 Proper shipping name | Not regulated  |
| 14.3 Hazard Class         | None           |
| 14.4 Packing Group        | None           |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions   | None           |

|                             |               |
|-----------------------------|---------------|
| <b>DOT</b>                  | Not regulated |
| <b>UN/ID no.</b>            | None          |
| <b>Proper shipping name</b> | Not regulated |
| <b>Hazard Class</b>         | None          |
| <b>Packing Group</b>        | None          |
| <b>Special Provisions</b>   | None          |

## Section 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### France

##### Occupational Illnesses (R-463-3, France)

| Chemical Name                            | French RG number | Title |
|--|------------------|-------|
| Hydroxypropyl Methacrylate<br>27813-02-1 | RG 65            | -     |

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### Persistent Organic Pollutants

Not applicable

#### Named dangerous substances per Seveso Directive (2012/18/EU)

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

#### International Inventories

|                      |          |
|----------------------|----------|
| <b>TSCA</b>          | Complies |
| <b>DSL/NDL</b>       | Complies |
| <b>EINECS/ELINCS</b> | Complies |
| <b>ENCS</b>          | Complies |
| <b>IECSC</b>         | Complies |
| <b>KECL</b>          | Complies |
| <b>PICCS</b>         | Complies |
| <b>AICS</b>          | 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 State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name            | California Proposition 65 |
|--------------------------|---------------------------|
| METHANOL - 67-56-1 (<1%) | Developmental             |

**15.2. Chemical safety assessment**

No information available

**Section 16: OTHER INFORMATION****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H335 - May cause respiratory irritation

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

H360D - May damage the unborn child

H412 - Harmful to aquatic life with long lasting effects

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H331 - Toxic if inhaled

H314 - Causes severe skin burns and eye damage

H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

H411 - Toxic to aquatic life with long lasting effects

H242 - Heating may cause a fire

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

Ceiling Maximum limit value

STEL

\*

STEL (Short Term Exposure Limit)

Skin designation

**Prepared By** SDS coordinator

**Issue Date** 04-May-2015

**Revision Date** 26-Dec-2017

**Revision Note** Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**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