

Issue Date 30-Jun-2015

Revision Date 01-Feb-2018

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** Supertacker 352

### Other means of identification

**Product Code** MS-352  
**UN/ID no.** UN 1897  
**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Adhesives.  
**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

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                    |             |
|--------------------|-------------|
| Skin sensitization | Category 1  |
| Carcinogenicity    | Category 1B |

### Label elements

#### Emergency Overview

**Danger**

#### Hazard statements

May cause an allergic skin reaction  
May cause cancer



**Appearance** No information available

**Physical state** Liquid

**Odor** Ether

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

**Precautionary Statements - Storage**

Store locked up

**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  
 May be harmful in contact with skin  
 Causes mild skin irritation  
 Toxic to aquatic life with long lasting effects  
 Toxic to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

| Chemical Name           | CAS No.    | Weight-% | Trade Secret |
|-------------------------|------------|----------|--------------|
| TETRACHLOROETHYLENE     | 127-18-4   | 60 - 100 | *            |
| BISPHENOL A EPOXY RESIN | 25068-38-6 | 1 - 5    | *            |
| CARBON BLACK            | 1333-86-4  | 1 - 5    | *            |

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

### 4. FIRST AID MEASURES

**Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.   |
| <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>Inhalation</b>   | Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.                                   |
| <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.  |

**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** Small leaks: Wipe up or soak up immediately with inert material. Remove to outdoors.  
Large spills: Evacuate area; contain liquid; transfer to closed metal containers; keep out of water supply.

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

**Advice on safe handling** Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. 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** Strong acids. Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

| Chemical Name                   | ACGIH TLV  | OSHA PEL  | NIOSH IDLH  |
|---------------------------------|--|---|---|
| TETRACHLOROETHYLENE<br>127-18-4 | STEL: 100 ppm<br>TWA: 25 ppm                             | TWA: 100 ppm<br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 170 mg/m <sup>3</sup><br>Ceiling: 200 ppm | IDLH: 150 ppm   |
| CARBON BLACK<br>1333-86-4       | TWA: 3 mg/m <sup>3</sup> inhalable<br>particulate matter | TWA: 3.5 mg/m <sup>3</sup><br>(vacated) TWA: 3.5 mg/m <sup>3</sup>                                | IDLH: 1750 mg/m <sup>3</sup><br>TWA: 3.5 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup> Carbon black in<br>presence of Polycyclic aromatic<br>hydrocarbons PAH |

**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**

|                                       |                          |                         |                          |
|---------------------------------------|--------------------------|-------------------------|--------------------------|
| <b>Physical state</b>                 | Liquid                   | <b>Odor</b>             | Ether                    |
| <b>Appearance</b>                     | No information available | <b>Odor threshold</b>   | No information available |
| <b>Color</b>                          | Black                    |                         |                          |
| <b>Property</b>                       | <b>Values</b>            | <b>Remarks • Method</b> |                          |
| <b>pH</b>                             | Does not apply           |                         |                          |
| <b>Melting point / freezing point</b> | No information available |                         |                          |
| <b>Boiling point / boiling range</b>  | > 121 °C / 250 °F        |                         |                          |
| <b>Flash point</b>                    | No information available |                         |                          |
| <b>Evaporation rate</b>               | Slower than ether        |                         |                          |
| <b>Flammability (solid, gas)</b>      | No information available |                         |                          |
| <b>Flammability Limit in Air</b>      |                          |                         |                          |
| <b>Upper flammability limit:</b>      | No information available |                         |                          |
| <b>Lower flammability limit:</b>      | No information available |                         |                          |

|                              |                          |
|------------------------------|--------------------------|
| Vapor pressure               | 13 mm Hg @ 68°C          |
| Vapor density                | Heavier than air         |
| Relative density             | 1.37                     |
| Water solubility             | Negligible               |
| 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 (%)  | No information available |
| 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**

Strong acids. Strong oxidizing agents.

**Hazardous Decomposition Products**Hydrogen chloride. Carbon dioxide (CO<sub>2</sub>). Hydrocarbons. Phosgene. Chlorine.

## 11. TOXICOLOGICAL INFORMATION

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

|              |                    |
|--------------|--------------------|
| Inhalation   | No data available. |
| Eye contact  | No data available. |
| Skin contact | No data available. |
| Ingestion    | No data available. |

| Chemical Name                         | Oral LD50             | Dermal LD50         | Inhalation LC50         |
|---------------------------------------|-----------------------|---------------------|-------------------------|
| TETRACHLOROETHYLENE<br>127-18-4       | = 2629 mg/kg ( Rat )  | -                   | = 27.8 mg/L ( Rat ) 4 h |
| BISPHENOL A EPOXY RESIN<br>25068-38-6 | = 11400 mg/kg ( Rat ) | -                   | -                       |
| CARBON BLACK<br>1333-86-4             | > 15400 mg/kg ( Rat ) | > 3 g/kg ( Rabbit ) | -                       |

**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**

| Chemical Name                   | ACGIH | IARC     | NTP                    | OSHA |
|---------------------------------|-------|----------|------------------------|------|
| TETRACHLOROETHYLENE<br>127-18-4 | A3    | Group 2A | Reasonably Anticipated | X    |
| CARBON BLACK<br>1333-86-4       | A3    | Group 2B | -                      | X    |

**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)** 2,716.00 mg/kg

**ATEmix (dermal)** 3,003.00 mg/kg mg/l

**ATEmix (inhalation-dust/mist)** 29.00 mg/l

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Toxic to aquatic life with long lasting effects

| Chemical Name                   | Algae/aquatic plants                                | Fish  | Crustacea                                      |
|---------------------------------|---|---|--|
| TETRACHLOROETHYLENE<br>127-18-4 | 500: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 12.4 - 14.4: 96 h Pimephales promelas mg/L LC50 flow-through<br>8.6 - 13.5: 96 h Pimephales promelas mg/L LC50 static<br>4.73 - 5.27: 96 h Oncorhynchus mykiss mg/L LC50 flow-through<br>11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static | 6.1 - 9.0: 48 h Daphnia magna mg/L EC50 Static |
| CARBON BLACK<br>1333-86-4       | -   | -   | 5600: 24 h Daphnia magna mg/L EC50             |

**Persistence and degradability**

No information available.

**Bioaccumulation**

| Chemical Name                   | Partition coefficient |
|---------------------------------|-----------------------|
| TETRACHLOROETHYLENE<br>127-18-4 | 2.53 - 2.88           |

**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 |
|---------------------------------|------|--|---------------------------|------------------------|
| TETRACHLOROETHYLENE<br>127-18-4 | U210 | Included in waste streams:<br>F001, F002, F024, F025,<br>F039, K016, K019, K020,<br>K073, K116, K150, K151 | 0.7 mg/L regulatory level | U210                   |

| Chemical Name                   | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes   | RCRA - K Series Wastes |
|---------------------------------|--------------------------------------|------------------------|--|------------------------|
| TETRACHLOROETHYLENE<br>127-18-4 | Category I - Volatiles               | -                      | Toxic waste<br>waste number F025<br>Waste description:<br>Condensed light ends, spent<br>filters and filter aids, and<br>spent desiccant wastes from<br>the production of certain<br>chlorinated aliphatic<br>hydrocarbons, by free radical<br>catalyzed processes. These<br>chlorinated aliphatic<br>hydrocarbons are those<br>having carbon chain lengths<br>ranging from one to and<br>including five, with varying<br>amounts and positions of<br>chlorine substitution. | -                      |

| Chemical Name                   | California Hazardous Waste Status |
|---------------------------------|-----------------------------------|
| TETRACHLOROETHYLENE<br>127-18-4 | Toxic                             |

### 14. TRANSPORT INFORMATION

#### DOT

UN/ID no. UN 1897  
 Proper shipping name Tetrachloroethylene mixture  
 Hazard Class 6.1  
 Packing Group III  
 Description Limited quantities: 1 gal

#### IATA

UN/ID no. UN 1897  
 Proper shipping name Tetrachloroethylene mixture  
 Hazard Class 6.1  
 Packing Group III  
 Description May be classified as Consumer commodity ORM-D

#### IMDG

UN/ID no. UN 1897  
 Proper shipping name Tetrachloroethylene mixture  
 Hazard Class 6.1  
 Packing Group III  
 Description Limited quantities: 5 L

## 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/NDSL - 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 % |
|--------------------------------|-------------------------------|
| TETRACHLOROETHYLENE - 127-18-4 | 0.1                           |

#### SARA 311/312 Hazard Categories

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

#### 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 |
|---------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| TETRACHLOROETHYLENE<br>127-18-4 | -                           | 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)  |
|---------------------------------|--------------------------|----------------|---|
| TETRACHLOROETHYLENE<br>127-18-4 | 100 lb 1 lb              | -              | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ RQ 1 lb final<br>RQ<br>RQ 0.454 kg final RQ |



**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name                  | California Proposition 65 |
|--------------------------------|---------------------------|
| TETRACHLOROETHYLENE - 127-18-4 | Carcinogen                |
| CARBON BLACK - 1333-86-4       | Carcinogen                |

**U.S. State Right-to-Know Regulations**

| Chemical Name                   | New Jersey | Massachusetts | Pennsylvania |
|---------------------------------|------------|---------------|--------------|
| TETRACHLOROETHYLENE<br>127-18-4 | X          | X             | X            |
| CARBON BLACK<br>1333-86-4       | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

|  |
|--|
| <b>16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION</b> |
|--|

|                    |                   |                |                    |                                    |
|--------------------|-------------------|----------------|--------------------|------------------------------------|
| <b><u>NFPA</u></b> | Health hazards -  | Flammability - | Instability -      | Physical and Chemical Properties - |
| <b><u>HMIS</u></b> | Health hazards 3* | Flammability 0 | Physical hazards 0 | Personal protection X              |

|               |                          |
|---------------|--------------------------|
| Prepared By   | SDS coordinator          |
| Issue Date    | 30-Jun-2015              |
| Revision Date | 01-Feb-2018              |
| 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**