

# SAFETY DATA SHEET

Herculiner® "Original" Truck Bed Liner Aerosol



## Section 1. Identification

**Product identifier** : Herculiner® "Original" Truck Bed Liner Aerosol  
**Product code** : HALB15  
**Other means of identification** : Surface coatings  
**Product type** : Aerosol.

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

| Identified uses                                                                                                                                              |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Herculiner "Original" Truck Bed Liner Aerosol protects against scratches, rust & fading for use as a touch-up or cut-in for bed liners, or for coating trim. |        |
| Uses advised against                                                                                                                                         | Reason |
| See information supplied by the manufacturer.                                                                                                                |        |

**Supplier's details** : J-B Weld Company  
400 CMH Road  
Sulphur Springs, TX 75482 USA  
info@jbweld.com  
Tel: +1 (903) 885-7696  
Website: www.jbweld.com

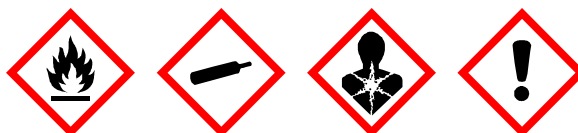
**Emergency telephone number** : US: +1 (800) 535-5053 (INFOTRAC®)  
Outside USA: +1 (352) 323-3500 (INFOTRAC® INTL)

## Section 2. Hazard identification

**Classification of the substance or mixture** : FLAMMABLE AEROSOLS - Category 1  
GASES UNDER PRESSURE - Compressed gas  
SKIN IRRITATION - Category 2  
EYE IRRITATION - Category 2A  
GERM CELL MUTAGENICITY - Category 1  
CARCINOGENICITY - Category 1  
TOXIC TO REPRODUCTION - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

### GHS label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause genetic defects.  
May cause cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs through prolonged or repeated exposure.

### Precautionary statements

## Section 2. Hazard identification

- General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not breathe dust or mist. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not pierce or burn, even after use.
- Response** : IF exposed or concerned: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. 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 or attention.
- Storage** : Store locked up. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/122 °F.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Surface coatings

| Ingredient name     | Synonyms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | % (w/w)  | CAS number |  |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|--|
| Methyl ethyl ketone | ethyl methyl ketone; 2-Butanone; Methyl ethyl ketone; MEK; 2-Butanone (Methyl ethyl ketone); Methyl acetone; butane-2-one; 2-oxobutane; methyl ethyl ketone; butanone-2; ketobutan; MEC; MEETCO; MEK; methyl acetone; methylethylketone; oxobutane; ethylmethylketone;; butan-2-one; Methyl ethyl ketone (MEK) (I,T)                                                                                                                                                                                                                                                                                                                                                                                                                                                | ≥5 - ≤10 | 78-93-3    |  |
| Toluene             | Benzene, methyl-; Methylbenzene; Toluol; Phenyl methane; Methyl benzol; toluene, pure; preparation consisting of: — 80 % or more but not more than 90 % by weight of (S)-hydroxy-3-phenoxy-benzeneacetonitrile (CAS RN 61826-76-4) and — 10 % or more but not more than 20 % by weight of toluene (CAS RN108-88-3); toluene, crude; preparation containing by weight: — 15 % or more but not more than 60 % of styrene butadiene copolymers or styrene isoprene copolymers and — 10 % or more but not more than 30 % of pinene polymers or pentadiene copolymers dissolved in: — methyl ethyl ketone (CAS RN 78-93-3) — heptane (CAS RN 142-82-5), and — toluene (CAS RN 108-88-3) or light aliphatic solvent naphta (CAS RN 64742-89-8); methacide; Cuminy alcohol | ≥5 - ≤10 | 108-88-3   |  |

### Section 3. Composition/information on ingredients

|                                         |                                                                                                                                                                                                                                                                                                                                                                                        |           |            |  |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|--|
| Xylene                                  | Benzene, dimethyl-; Xylol; Benzene, dimethyl-, mixed isomers; xylene, mixed isomers, pure; xylene, crude; Benzene, dimethyl-; Xylene (mixed); xylene (total); Xylenes; Dimethylbenzene; XYLENES (Isomer Mixture)                                                                                                                                                                       | ≥1 - ≤5   | 1330-20-7  |  |
| naphtha (petroleum), hydrotreated heavy |                                                                                                                                                                                                                                                                                                                                                                                        | ≥0.1 - ≤1 | 64742-48-9 |  |
| cobalt bis(2-ethylhexanoate)            | Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1); Hexanoic acid, 2-ethyl-, cobalt(2+) salt; Cobalt octoate; Cobalt 2-ethylhexanoate; Cobalt(II) 2-ethylhexanoate; Aliphatic monocarboxylic acid (C6-28) salt (Pb, Cu, Mn, Zn, Zr, Ce, Cd, Sn, Sr, Co); 2-Ethylhexanoic acid cobalt(2+) salt; Cobaltous octoate; HEXANOATE, 2-ETHYL-, COBALT (II); HEXANOIC ACID, 2-ETHYL, COBALT(2+)SALT | ≥0.1 - ≤1 | 136-52-7   |  |

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-aid measures

#### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.

## Section 4. First-aid measures

- Skin contact** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

## Section 5. Fire-fighting measures

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Store locked up. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name     | Exposure limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methyl ethyl ketone | <p><b>CA Saskatchewan Provincial (Canada, 7/2013).</b><br/>           STEL: 300 ppm 15 minutes.<br/>           TWA: 200 ppm 8 hours.</p> <p><b>CA British Columbia Provincial (Canada, 6/2022).</b><br/>           TWA: 50 ppm 8 hours.<br/>           STEL: 100 ppm 15 minutes.</p> <p><b>CA Ontario Provincial (Canada, 6/2019).</b><br/>           TWA: 200 ppm 8 hours.<br/>           STEL: 300 ppm 15 minutes.</p> <p><b>CA Quebec Provincial (Canada, 6/2022).</b><br/>           TWAEV: 50 ppm 8 hours.<br/>           TWAEV: 150 mg/m<sup>3</sup> 8 hours.<br/>           STEV: 100 ppm 15 minutes.<br/>           STEV: 300 mg/m<sup>3</sup> 15 minutes.</p> <p><b>CA Alberta Provincial (Canada, 6/2018).</b><br/>           OEL: 300 ppm 15 minutes.<br/>           OEL: 200 ppm 8 hours.<br/>           OEL: 590 mg/m<sup>3</sup> 8 hours.<br/>           OEL: 885 mg/m<sup>3</sup> 15 minutes.</p> |
| Toluene             | <p><b>CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin.</b><br/>           STEL: 60 ppm 15 minutes.<br/>           TWA: 50 ppm 8 hours.</p> <p><b>CA British Columbia Provincial (Canada, 6/2022).</b><br/>           TWA: 20 ppm 8 hours.</p> <p><b>CA Ontario Provincial (Canada, 6/2019).</b><br/>           TWA: 20 ppm 8 hours.</p> <p><b>CA Quebec Provincial (Canada, 6/2022).</b><br/>           TWAEV: 20 ppm 8 hours.</p> <p><b>CA Alberta Provincial (Canada, 6/2018). Absorbed through skin.</b><br/>           OEL: 50 ppm 8 hours.<br/>           OEL: 188 mg/m<sup>3</sup> 8 hours.</p>                                                                                                                                                                                                                                                                                         |
| Xylene              | <p><b>CA Saskatchewan Provincial (Canada, 7/2013). [Xylene (o, m-, p-isomers)]</b><br/>           STEL: 150 ppm 15 minutes.<br/>           TWA: 100 ppm 8 hours.</p> <p><b>CA British Columbia Provincial (Canada, 6/2022). [Xylene (o, m &amp; p isomers)]</b><br/>           TWA: 100 ppm 8 hours.<br/>           STEL: 150 ppm 15 minutes.</p> <p><b>CA Ontario Provincial (Canada, 6/2019). [Xylene (o-, m-, p-isomers)]</b><br/>           STEL: 150 ppm 15 minutes.<br/>           TWA: 100 ppm 8 hours.</p> <p><b>CA Quebec Provincial (Canada, 6/2022).</b></p>                                                                                                                                                                                                                                                                                                                                          |

## Section 8. Exposure controls/personal protection

cobalt bis(2-ethylhexanoate)

**[Xylene (o-,m-,p- isomers)]**

TWA EV: 100 ppm 8 hours.

TWA EV: 434 mg/m<sup>3</sup> 8 hours.

STEV: 150 ppm 15 minutes.

STEV: 651 mg/m<sup>3</sup> 15 minutes.
**CA Alberta Provincial (Canada, 6/2018).**
**[Dimethylbenzene (o,m & p isomers)]**

OEL: 100 ppm 8 hours.

OEL: 651 mg/m<sup>3</sup> 15 minutes.

OEL: 150 ppm 15 minutes.

OEL: 434 mg/m<sup>3</sup> 8 hours.

**CA British Columbia Provincial (Canada, 6/2022). [cobalt and inorganic compounds as Co, Inhalable] Skin sensitizer. Inhalation sensitizer. Notes: No British Columbia exposure limit at this time**

**CA Saskatchewan Provincial (Canada, 7/2013). [Cobalt and inorganic compounds as Co]**
STEL: 0.06 mg/m<sup>3</sup>, (measured as Co) 15 minutes.TWA: 0.02 mg/m<sup>3</sup>, (measured as Co) 8 hours.
**CA British Columbia Provincial (Canada, 6/2022). [Cobalt and inorganic compounds as Co, Total] Skin sensitizer. Inhalation sensitizer.**
TWA: 0.02 mg/m<sup>3</sup>, (as Co, Total) 8 hours.
**CA Ontario Provincial (Canada, 6/2019).**
**[Cobalt and inorganic compounds as Co]**
TWA: 0.02 mg/m<sup>3</sup>, (as Co) 8 hours.
**CA Quebec Provincial (Canada, 6/2022). [Cobalt elemental, and inorganic compounds] Skin sensitizer. Inhalation sensitizer.**
TWA EV: 0.02 mg/m<sup>3</sup>, (as Co) 8 hours.

### Biological exposure indices

No exposure indices known.

### Appropriate engineering controls

- : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## Section 8. Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

- Physical state** : Liquid. [Aerosol.]
- Color** : Black.
- Odor** : Solvent-like
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point/freezing point** : Not available.
- Boiling point, initial boiling point, and boiling range** : -35 to 550°C (-31 to 1022°F)
- Flash point** : Closed cup: <-18°C (<-0.4°F)
- Evaporation rate** : >1 (butyl acetate = 1)
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Lower: 1%  
Upper: 14%
- Vapor pressure** :

| Ingredient name | Vapor Pressure at 20°C |     |        | Vapor pressure at 50°C |     |        |
|-----------------|------------------------|-----|--------|------------------------|-----|--------|
|                 | mm Hg                  | kPa | Method | mm Hg                  | kPa | Method |
|                 |                        |     |        |                        |     |        |

## Section 9. Physical and chemical properties and safety characteristics

|                                                   |                    |              |  |  |  |  |
|---------------------------------------------------|--------------------|--------------|--|--|--|--|
| Methyl ethyl ketone                               | 78.7564            | 10.5         |  |  |  |  |
| Normal heptane                                    | 34.5028            | 4.6          |  |  |  |  |
| Toluene                                           | 23.17              | 3.1          |  |  |  |  |
| water                                             | 17.5               | 2.3          |  |  |  |  |
| Octane                                            | 9.97581            | 1.3          |  |  |  |  |
| Xylene                                            | 6.7                | 0.89         |  |  |  |  |
| Nonane                                            | 3.15026            | 0.42         |  |  |  |  |
| salts of aliphatic acids (proprietary)            | 2.9                | 0.39         |  |  |  |  |
| 2-butoxyethanol                                   | 0.75006            | 0.1          |  |  |  |  |
| Petroleum refining, hydrotreated light distillate | 0.22502 to 0.45004 | 0.03 to 0.06 |  |  |  |  |

|                                               |                   |
|-----------------------------------------------|-------------------|
| <b>Relative vapor density</b>                 | : >1 [Air = 1]    |
| <b>Relative density</b>                       | : 0.7 to 0.8      |
| <b>Solubility in water</b>                    | : Not available.  |
| <b>Miscible with water</b>                    | : Negligible.     |
| <b>Partition coefficient: n-octanol/water</b> | : Not applicable. |
| <b>Auto-ignition temperature</b>              | : >200°C (>392°F) |
| <b>Decomposition temperature</b>              | : Not available.  |
| <b>Heat of combustion</b>                     | : 5.988 kJ/g      |
| <b>Viscosity</b>                              | : Not available.  |

### Particle characteristics

**Median particle size** : Not applicable.

### Aerosol product

**Type of aerosol** : Spray

## Section 10. Stability and reactivity

|                                           |                                                                                                        |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | : No specific test data related to reactivity available for this product or its ingredients.           |
| <b>Chemical stability</b>                 | : The product is stable.                                                                               |
| <b>Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>Conditions to avoid</b>                | : Avoid all possible sources of ignition (spark or flame).                                             |
| <b>Incompatible materials</b>             | : No specific data.                                                                                    |
| <b>Hazardous decomposition products</b>   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name      | Result                | Species | Dose                | Exposure |
|------------------------------|-----------------------|---------|---------------------|----------|
| Methyl ethyl ketone          | LD50 Dermal           | Rabbit  | 6480 mg/kg          | -        |
|                              | LD50 Oral             | Rat     | 2193 mg/kg          | -        |
| Toluene                      | LC50 Inhalation Vapor | Rat     | 49 g/m <sup>3</sup> | 4 hours  |
|                              | LD50 Oral             | Rat     | 636 mg/kg           | -        |
| Xylene                       | LC50 Inhalation Gas.  | Rat     | 5000 ppm            | 4 hours  |
|                              | LD50 Oral             | Rat     | 4300 mg/kg          | -        |
| cobalt bis(2-ethylhexanoate) | LD50 Dermal           | Rabbit  | >5 g/kg             | -        |
|                              | LD50 Oral             | Rat     | 1.22 g/kg           | -        |

#### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure           | Observation |
|-------------------------|--------------------------|---------|-------|--------------------|-------------|
| Methyl ethyl ketone     | Skin - Mild irritant     | Rabbit  | -     | 24 hours 14 mg     | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 mg    | -           |
| Toluene                 | Eyes - Mild irritant     | Rabbit  | -     | 0.5 minutes 100 mg | -           |
|                         | Eyes - Mild irritant     | Rabbit  | -     | 870 ug             | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 2 mg      | -           |
|                         | Skin - Mild irritant     | Pig     | -     | 24 hours 250 uL    | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 435 mg             | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 24 hours 20 mg     | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 500 mg             | -           |
| Xylene                  | Eyes - Mild irritant     | Rabbit  | -     | 87 mg              | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 5 mg      | -           |
|                         | Skin - Mild irritant     | Rat     | -     | 8 hours 60 uL      | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 100 %              | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 mg    | -           |

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

| Product/ingredient name      | IARC | NTP                                              | ACGIH |
|------------------------------|------|--------------------------------------------------|-------|
| Toluene                      | 3    | -                                                | A4    |
| Xylene                       | 3    | -                                                | A4    |
| cobalt bis(2-ethylhexanoate) | 2B   | Reasonably anticipated to be a human carcinogen. | A3    |

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

## Section 11. Toxicological information

### Specific target organ toxicity (single exposure)

| Product/ingredient name | Category   | Route of exposure | Target organs                |
|-------------------------|------------|-------------------|------------------------------|
| Methyl ethyl ketone     | Category 3 | -                 | Respiratory tract irritation |
| Toluene                 | Category 3 | -                 | Narcotic effects             |
| Xylene                  | Category 3 | -                 | Narcotic effects             |

### Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category   | Route of exposure | Target organs |
|-------------------------|------------|-------------------|---------------|
| Toluene                 | Category 1 | -                 | -             |

### Aspiration hazard

| Product/ingredient name                 | Result                         |
|-----------------------------------------|--------------------------------|
| Toluene                                 | ASPIRATION HAZARD - Category 1 |
| Xylene                                  | ASPIRATION HAZARD - Category 1 |
| naphtha (petroleum), hydrotreated heavy | ASPIRATION HAZARD - Category 1 |

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Causes skin irritation.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness

**Inhalation** : Adverse symptoms may include the following:  
 respiratory tract irritation  
 coughing  
 reduced fetal weight  
 increase in fetal deaths  
 skeletal malformations

**Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness  
 reduced fetal weight  
 increase in fetal deaths  
 skeletal malformations

**Ingestion** : Adverse symptoms may include the following:  
 reduced fetal weight  
 increase in fetal deaths  
 skeletal malformations

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

## Section 11. Toxicological information

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**General** : Causes damage to organs through prolonged or repeated exposure.

**Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : May cause genetic defects.

**Reproductive toxicity** : Suspected of damaging fertility or the unborn child.

### Numerical measures of toxicity

#### Acute toxicity estimates

| Product/ingredient name                        | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|------------------------------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| Herculiner® "Original" Truck Bed Liner Aerosol | 6017.1       | N/A            | 84510.5                  | N/A                        | N/A                                 |
| Methyl ethyl ketone                            | 2193         | 6480           | N/A                      | N/A                        | N/A                                 |
| Toluene                                        | 636          | N/A            | N/A                      | 49                         | N/A                                 |
| Xylene                                         | 4300         | N/A            | 5000                     | N/A                        | N/A                                 |
| cobalt bis(2-ethylhexanoate)                   | 1220         | N/A            | N/A                      | N/A                        | N/A                                 |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name | Result                               | Species                                                                    | Exposure |
|-------------------------|--------------------------------------|----------------------------------------------------------------------------|----------|
| Methyl ethyl ketone     | Acute EC50 >500000 µg/l Marine water | Algae - <i>Skeletonema costatum</i>                                        | 96 hours |
|                         | Acute EC50 308 mg/l Fresh water      | Daphnia                                                                    | 48 hours |
|                         | Acute LC50 2996 mg/l Fresh water     | Fish - <i>Pimephales promelas</i>                                          | 96 hours |
| Toluene                 | Acute EC50 >433 ppm Marine water     | Algae - <i>Skeletonema costatum</i>                                        | 96 hours |
|                         | Acute EC50 11600 µg/l Fresh water    | Crustaceans - <i>Gammarus pseudolimnaeus</i> - Adult                       | 48 hours |
|                         | Acute EC50 6000 µg/l Fresh water     | Daphnia - <i>Daphnia magna</i> - Juvenile (Fledgling, Hatchling, Weanling) | 48 hours |
|                         | Acute LC50 5500 µg/l Fresh water     | Fish - <i>Oncorhynchus kisutch</i> - Fry                                   | 96 hours |
| Xylene                  | Chronic NOEC 1 mg/l Fresh water      | Daphnia - <i>Daphnia magna</i>                                             | 21 days  |
|                         | Acute LC50 8500 µg/l Marine water    | Crustaceans - <i>Palaemonetes pugio</i>                                    | 48 hours |
|                         | Acute LC50 13400 µg/l Fresh water    | Fish - <i>Pimephales promelas</i>                                          | 96 hours |

### Persistence and degradability

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| Methyl ethyl ketone     | -                 | -          | Readily          |

### Bioaccumulative potential

## Section 12. Ecological information

| Product/ingredient name      | LogP <sub>ow</sub> | BCF         | Potential |
|------------------------------|--------------------|-------------|-----------|
| Methyl ethyl ketone          | 0.3                | -           | Low       |
| Toluene                      | 2.73               | 90          | Low       |
| Xylene                       | 3.12               | 8.1 to 25.9 | Low       |
| cobalt bis(2-ethylhexanoate) | -                  | 15600       | High      |

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

## Section 14. Transport information

|                            | TDG Classification                                                                         | DOT Classification                                                                         | IMDG                                                                                        | IATA                                                                                         |
|----------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| UN number                  | UN1950                                                                                     | UN1950                                                                                     | UN1950                                                                                      | UN1950                                                                                       |
| UN proper shipping name    | AEROSOLS                                                                                   | Aerosols                                                                                   | AEROSOLS                                                                                    | Aerosols, flammable                                                                          |
| Transport hazard class(es) | 2.1<br> | 2.1<br> | 2.1<br> | 2.1<br> |
| Packing group              | -                                                                                          | -                                                                                          | -                                                                                           | -                                                                                            |
| Environmental hazards      | No.                                                                                        | No.                                                                                        | No.                                                                                         | No.                                                                                          |

### Additional information

**TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2.17 (Class 2).

**Explosive Limit and Limited Quantity Index** 1

**Passenger Carrying Road or Rail Index** 75

**Special provisions** 80, 107

**DOT Classification** : **Reportable quantity** 3764.9 lbs / 1709.3 kg [602.06 gal / 2279 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

**Limited quantity** Yes.

**Packaging instruction** Exceptions: 306. Non-bulk: None. Bulk: None.

**Quantity limitation** Passenger aircraft/rail: 75 kg. Cargo aircraft: 150 kg.

**Special provisions** N82

**IMDG** : **Emergency schedules** F-D, S-U

**Special provisions** 63, 190, 277, 327, 344, 381, 959

## Section 14. Transport information

**IATA** : **Quantity limitation** Passenger and Cargo Aircraft: 75 kg. Packaging instructions: 203. Cargo Aircraft Only: 150 kg. Packaging instructions: 203. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y203.  
**Special provisions** A145, A167, A802

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to IMO instruments** : Not available.

## Section 15. Regulatory information

### Canadian lists

**Canadian NPRI** : The following components are listed: methyl ethyl ketone; toluene; xylene (all isomers); cobalt (and its compounds)  
**CEPA Toxic substances** : None of the components are listed.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

**Australia** : All components are listed or exempted.  
**Canada** : All components are listed or exempted.  
**China** : All components are listed or exempted.  
**Eurasian Economic Union** : **Russian Federation inventory:** Not determined.  
**Japan** : **Japan inventory (CSCL):** Not determined.  
**Japan inventory (ISHL):** Not determined.  
**New Zealand** : All components are listed or exempted.  
**Philippines** : All components are listed or exempted.  
**Republic of Korea** : Not determined.  
**Taiwan** : All components are listed or exempted.  
**Thailand** : Not determined.  
**Turkey** : Not determined.  
**United States** : All components are listed or exempted.  
**Viet Nam** : Not determined.

## Section 16. Other information

### History

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Date of printing</b>               | : 1/10/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Date of issue/Date of revision</b> | : 1/10/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Date of previous issue</b>         | : No previous validation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Version</b>                        | : 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Key to abbreviations</b>           | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>HPR = Hazardous Products Regulations<br>IATA = International Air Transport Association<br>IBC = Intermediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>N/A = Not available<br>SGG = Segregation Group<br>UN = United Nations |

### Procedure used to derive the classification

| Classification                                                  | Justification         |
|-----------------------------------------------------------------|-----------------------|
| FLAMMABLE AEROSOLS - Category 1                                 | On basis of test data |
| GASES UNDER PRESSURE - Compressed gas                           | On basis of test data |
| SKIN IRRITATION - Category 2                                    | Calculation method    |
| EYE IRRITATION - Category 2A                                    | Calculation method    |
| GERM CELL MUTAGENICITY - Category 1                             | Calculation method    |
| CARCINOGENICITY - Category 1                                    | Calculation method    |
| TOXIC TO REPRODUCTION - Category 2                              | Calculation method    |
| SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 | Calculation method    |

**References** : Not available.

Indicates information that has changed from previously issued version.

### Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.