

# SAFETY DATA SHEET

ZFO-709 HARVEST BROWN



## Section 1. Identification

**Product name** : ZFO-709 HARVEST BROWN  
**Product code** : RT-129-53

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

#### Identified uses

Stain

#### Uses advised against

Not applicable.

**Supplier's details** : CANLAK Inc.  
674 Principale  
Daveluyville, QC,  
G0Z 1C0  
(819) 367-3264

**Emergency telephone number (with hours of operation)** : For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 2  
SKIN IRRITATION - Category 2  
EYE IRRITATION - Category 2A  
SKIN SENSITIZATION - Category 1  
GERM CELL MUTAGENICITY - Category 1  
CARCINOGENICITY - Category 1B  
TOXIC TO REPRODUCTION - Category 1B  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

### GHS label elements

#### Hazard pictograms



**Signal word** : Danger

**Hazard statements** : Highly flammable liquid and vapor.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.  
May cause genetic defects.  
May cause cancer.  
May damage fertility or the unborn child.

### Precautionary statements

## Section 2. Hazards identification

- Prevention** : Obtain special instructions before use. Wear protective gloves. Wear protective clothing. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing vapor. Wash thoroughly after handling.
- Response** : Call a POISON CENTER or doctor if you feel unwell. IF exposed or concerned: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. 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 in a well-ventilated place. Keep container tightly closed. Keep cool.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

| Ingredient name                             | %         | CAS number |
|---|-----------|------------|
| Distillates (petroleum), hydrotreated light | ≥50 - ≤75 | 64742-47-8 |
| Linseed oil                                 | ≥10 - ≤25 | 8001-26-1  |
| Naphtha (petroleum), hydrotreated heavy     | ≤3        | 64742-48-9 |
| cobalt bis(2-ethylhexanoate)                | <1        | 136-52-7   |
| toluene                                     | <1        | 108-88-3   |
| 2-ethylhexanoic acid, zirconium salt        | ≤0.3      | 22464-99-9 |
| 2-butanone oxime                            | ≤0.3      | 96-29-7    |
| calcium bis(2-ethylhexanoate)               | ≤0.3      | 136-51-6   |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment 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 it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 necessary, call a poison center or physician. 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** : Wash with plenty of soap and 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. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

## Section 4. First aid measures

- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. If necessary, call a poison center or physician. 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** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : Can cause central nervous system (CNS) depression.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness  
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 dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

**Specific hazards arising from the chemical** : Danger contient huile de lin Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

**Hazardous thermal decomposition products** : No specific data.

**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.

**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. 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 8. Exposure controls/personal protection

|                               |   |
|-------------------------------|---|
| 2-butanone oxime              | STEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes.<br><b>OSHA PEL 1989 (United States, 3/1989).</b><br>TWA: 5 mg/m <sup>3</sup> , (as Zr) 8 hours.<br>STEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes.<br><b>NIOSH REL (United States, 10/2016).</b><br>TWA: 5 mg/m <sup>3</sup> , (as Zr) 10 hours.<br>STEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes.<br><b>OSHA PEL (United States, 5/2018).</b><br>TWA: 5 mg/m <sup>3</sup> , (as Zr) 8 hours. |
| calcium bis(2-ethylhexanoate) | <b>AIHA WEEL (United States, 7/2018). Skin sensitizer.</b><br>TWA: 10 ppm 8 hours.<br>None.   |

**Appropriate engineering controls** : Use only with adequate ventilation. 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**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

### Appearance

|  |  |
|--|--|
| Physical state                               | : Liquid.                                  |
| Color  | : Pigmented                                |
| Odor   | : Solvent                                  |
| Odor threshold                               | : Not available.                           |
| pH   | : Not available.                           |
| Melting point                                | : Not available.                           |
| Boiling point                                | : >60°C (>140°F)                           |
| Flash point                                  | : Closed cup: -18 to 23°C (-0.4 to 73.4°F) |
| Evaporation rate                             | : Not available.                           |
| Flammability (solid, gas)                    | : Not available.                           |
| Lower and upper explosive (flammable) limits | : Not available.                           |
| Vapor pressure                               | : Not available.                           |
| Vapor density                                | : Not available.                           |
| Relative density                             | : 0.898                                    |
| Solubility                                   | : Not available.                           |
| Solubility in water                          | : Not available.                           |
| Partition coefficient: n-octanol/water       | : Not available.                           |
| Auto-ignition temperature                    | : Not available.                           |
| Decomposition temperature                    | : Not available.                           |
| Viscosity                                    | : Not available.                           |
| Flow time (ISO 2431)                         | : Not available.                           |
| VOC  | : 506.2 g/l [ISO 11890-1]                  |
| Volatility                                   | : 64.06% (v/v), 56.54% (w/w)               |

## Section 10. Stability and reactivity

|                                    |   |
|------------------------------------|---|
| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.  |
| Chemical stability                 | : The product is stable.  |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.   |
| Conditions to avoid                | : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. |
| Incompatible materials             | : Reactive or incompatible with the following materials:<br>oxidizing materials   |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.  |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

## Section 11. Toxicological information

| Product/ingredient name  | Result                | Species | Dose                | Exposure |
|--|-----------------------|---------|---------------------|----------|
| Naphtha (petroleum), hydrotreated heavy cobalt bis(2-ethylhexanoate) | LD50 Oral             | Rat     | >6 g/kg             | -        |
|  | LD50 Dermal           | Rabbit  | >5 g/kg             | -        |
| toluene  | LD50 Oral             | Rat     | 1.22 g/kg           | -        |
|  | LC50 Inhalation Vapor | Rat     | 49 g/m <sup>3</sup> | 4 hours  |
|  | LD50 Oral             | Rat     | 636 mg/kg           | -        |
| 2-ethylhexanoic acid, zirconium salt                                 | LD50 Dermal           | Rabbit  | >5 g/kg             | -        |
|  | LD50 Oral             | Rat     | >5 g/kg             | -        |

### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure           | Observation |
|-------------------------|--------------------------|---------|-------|--------------------|-------------|
| Linseed oil             | Skin - Moderate irritant | Human   | -     | 72 hours 300 mg l  | -           |
| 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 UI    | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 435 mg             | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 24 hours 20 mg     | -           |
| 2-butanone oxime        | Skin - Moderate irritant | Rabbit  | -     | 500 mg             | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 100 UI             | -           |

### Sensitization

Not available.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Classification

| Product/ingredient name      | OSHA | IARC | NTP  |
|------------------------------|------|------|--|
| cobalt bis(2-ethylhexanoate) | -    | 2B   | Reasonably anticipated to be a human carcinogen. |
| toluene                      | -    | 3    | -  |

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

| Name  | Category   | Route of exposure | Target organs    |
|---|------------|-------------------|------------------|
| Distillates (petroleum), hydrotreated light | Category 3 | -                 | Narcotic effects |
| Naphtha (petroleum), hydrotreated heavy     | Category 3 | -                 | Narcotic effects |
| toluene                                     | Category 3 | -                 | Narcotic effects |

### Specific target organ toxicity (repeated exposure)

| Name    | Category   | Route of exposure | Target organs |
|---------|------------|-------------------|---------------|
| toluene | Category 2 | -                 | -             |

### Aspiration hazard



## Section 11. Toxicological information

| Name  | Result                         |
|---|--------------------------------|
| Distillates (petroleum), hydrotreated light | ASPIRATION HAZARD - Category 1 |
| Naphtha (petroleum), hydrotreated heavy     | ASPIRATION HAZARD - Category 1 |
| toluene                                     | ASPIRATION HAZARD - Category 1 |

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

### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : Can cause central nervous system (CNS) depression.

### 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:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness  
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

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

- General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
- Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : May cause genetic defects.
- Teratogenicity** : May damage the unborn child.

## Section 11. Toxicological information

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : May damage fertility.

### 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) |
|------------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| cobalt bis(2-ethylhexanoate) | 1220         | N/A            | N/A                      | N/A                        | N/A                                 |
| toluene                      | 636          | N/A            | N/A                      | 49                         | N/A                                 |
| 2-butanone oxime             | N/A          | 1100           | N/A                      | N/A                        | N/A                                 |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name                             | Result                             | Species   | Exposure |
|---|------------------------------------|---|----------|
| Distillates (petroleum), hydrotreated light toluene | Acute LC50 2200 µg/l Fresh water   | Fish - Lepomis macrochirus  | 4 days   |
|   | Acute EC50 12500 µg/l Fresh water  | Algae - Pseudokirchneriella subcapitata                             | 72 hours |
|   | Acute EC50 11600 µg/l Fresh water  | Crustaceans - Gammarus pseudolimnaeus - Adult                       | 48 hours |
|   | Acute EC50 6000 µg/l Fresh water   | Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling) | 48 hours |
| 2-butanone oxime                                    | Acute LC50 5500 µg/l Fresh water   | Fish - Oncorhynchus kisutch - Fry                                   | 96 hours |
|   | Chronic NOEC 1000 µg/l Fresh water | Daphnia - Daphnia magna   | 21 days  |
|   | Acute LC50 843000 µg/l Fresh water | Fish - Pimephales promelas  | 96 hours |

### Persistence and degradability

Not available.

### Bioaccumulative potential

| Product/ingredient name                 | LogP <sub>ow</sub> | BCF        | Potential |
|---|--------------------|------------|-----------|
| Naphtha (petroleum), hydrotreated heavy | -                  | 10 to 2500 | high      |
| cobalt bis(2-ethylhexanoate)            | -                  | 15600      | high      |
| toluene                                 | 2.73               | 90         | low       |
| 2-ethylhexanoic acid, zirconium salt    | -                  | 2.96       | low       |
| 2-butanone oxime                        | 0.63               | 2.5 to 5.8 | low       |
| calcium bis(2-ethylhexanoate)           | -                  | 2.96       | low       |

### 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                            | DOT<br>Classification  | TDG<br>Classification  | Mexico<br>Classification   | IMDG   | IATA   |
|----------------------------|--|--|--|--|--|
| UN number                  | UN1263   | UN1263   | UN1263   | UN1263   | UN1263   |
| UN proper shipping name    | PAINT RELATED MATERIAL   | PAINT RELATED MATERIAL   | PAINT RELATED MATERIAL   | PAINT RELATED MATERIAL   | PAINT RELATED MATERIAL   |
| Transport hazard class(es) | 3<br> | 3<br>  | 3<br> | 3<br>  | 3<br> |
| Packing group              | II   | II   | II   | II   | II   |
| Environmental hazards      | No.  | Yes.   | Yes. The environmentally hazardous substance mark is not required.                       | Yes.   | Yes. The environmentally hazardous substance mark is not required.                         |

### Additional information

**DOT Classification** : **Special provisions** 383

**TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3), 2.7 (Marine pollutant mark). The marine pollutant mark is not required when transported by road or rail.

**IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

**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

**U.S. Federal regulations** : TSCA 4(a) final test rules: nonane  
 TSCA 8(a) PAIR: nonane; naphthalene  
 TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
 United States inventory (TSCA 8b): Not determined.  
 Clean Water Act (CWA) 307: ethylbenzene; naphthalene; toluene  
 Clean Water Act (CWA) 311: ethylbenzene; naphthalene; toluene; xylene

Clean Air Act Section 112 : Listed  
 (b) Hazardous Air  
 Pollutants (HAPs)

Clean Air Act Section 602 : Not listed  
 Class I Substances

Clean Air Act Section 602 : Not listed  
 Class II Substances

DEA List I Chemicals : Not listed  
 (Precursor Chemicals)

DEA List II Chemicals : Not listed  
 (Essential Chemicals)

### SARA 302/304

#### Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

### SARA 311/312

**Classification** : FLAMMABLE LIQUIDS - Category 2  
 SKIN IRRITATION - Category 2  
 EYE IRRITATION - Category 2A  
 SKIN SENSITIZATION - Category 1  
 GERM CELL MUTAGENICITY - Category 1  
 CARCINOGENICITY - Category 1B  
 TOXIC TO REPRODUCTION - Category 1B  
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -  
 Category 3

#### Composition/information on ingredients

| Name  | %         | Classification  |
|---|-----------|---|
| Distillates (petroleum), hydrotreated light | ≥50 - ≤75 | FLAMMABLE LIQUIDS - Category 3<br>SKIN IRRITATION - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  |
| Linseed oil                                 | ≥10 - ≤25 | ASPIRATION HAZARD - Category 1<br>SELF-HEATING SUBSTANCES AND MIXTURES - Category 1<br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A   |
| Naphtha (petroleum), hydrotreated heavy     | ≤3        | FLAMMABLE LIQUIDS - Category 3<br>SKIN IRRITATION - Category 2<br>GERM CELL MUTAGENICITY - Category 1B<br>CARCINOGENICITY - Category 1B<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 |
| cobalt bis(2-ethylhexanoate)                | <1        | ASPIRATION HAZARD - Category 1<br>ACUTE TOXICITY (oral) - Category 4<br>EYE IRRITATION - Category 2A<br>SKIN SENSITIZATION - Category 1A<br>CARCINOGENICITY - Category 2  |
| toluene                                     | <1        | TOXIC TO REPRODUCTION - Category 1B<br>FLAMMABLE LIQUIDS - Category 2<br>ACUTE TOXICITY (oral) - Category 4   |

## Section 15. Regulatory information

|                                      |      |   |
|--------------------------------------|------|---|
| 2-ethylhexanoic acid, zirconium salt | ≤0.3 | SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>TOXIC TO REPRODUCTION - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3<br>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2<br>ASPIRATION HAZARD - Category 1<br>TOXIC TO REPRODUCTION - Category 2 |
| 2-butanone oxime                     | ≤0.3 | FLAMMABLE LIQUIDS - Category 4<br>ACUTE TOXICITY (dermal) - Category 4<br>SERIOUS EYE DAMAGE - Category 1<br>SKIN SENSITIZATION - Category 1<br>CARCINOGENICITY - Category 2  |
| calcium bis(2-ethylhexanoate)        | ≤0.3 | SERIOUS EYE DAMAGE - Category 1<br>TOXIC TO REPRODUCTION - Category 2   |

### SARA 313

|  | Product name                          | CAS number             | %        |
|--|---------------------------------------|------------------------|----------|
| <b>Form R - Reporting requirements</b> | Umber<br>cobalt bis(2-ethylhexanoate) | 12713-03-0<br>136-52-7 | ≤5<br><1 |
| <b>Supplier notification</b>           | Umber<br>cobalt bis(2-ethylhexanoate) | 12713-03-0<br>136-52-7 | ≤5<br><1 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

- Massachusetts** : None of the components are listed.
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: COBALT compounds
- Pennsylvania** : The following components are listed: LINSEED OIL; COBALT COMPOUNDS; MANGANESE COMPOUNDS

### California Prop. 65

**⚠ WARNING:** This product can expose you to chemicals including Carbon black, Silica, crystalline, Ethylbenzene and Naphthalene, which are known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

| Ingredient name     | No significant risk level | Maximum acceptable dosage level |
|---------------------|---------------------------|---------------------------------|
| Carbon black        | -                         | -                               |
| Toluene             | -                         | Yes.                            |
| Silica, crystalline | -                         | -                               |
| Ethylbenzene        | Yes.                      | -                               |
| Naphthalene         | Yes.                      | -                               |

### 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.

## Section 15. Regulatory information

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

|                          |  |
|--------------------------|--|
| <b>Australia</b>         | : Not determined.  |
| <b>Canada</b>            | : Not determined.  |
| <b>China</b>             | : Not determined.  |
| <b>Europe</b>            | : Not determined.  |
| <b>Japan</b>             | : <b>Japan inventory (ENCS):</b> Not determined.<br><b>Japan inventory (ISHL):</b> Not determined. |
| <b>New Zealand</b>       | : Not determined.  |
| <b>Philippines</b>       | : Not determined.  |
| <b>Republic of Korea</b> | : Not determined.  |
| <b>Taiwan</b>            | : Not determined.  |
| <b>Thailand</b>          | : Not determined.  |
| <b>Turkey</b>            | : Not determined.  |
| <b>United States</b>     | : Not determined.  |
| <b>Viet Nam</b>          | : Not determined.  |

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

|                  |   |   |
|------------------|---|---|
| Health           | * | 2 |
| Flammability     |   | 3 |
| Physical hazards |   | 0 |
|                  |   |   |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

## Section 16. Other information

| Classification   | Justification   |
|--|---|
| FLAMMABLE LIQUIDS - Category 2<br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SKIN SENSITIZATION - Category 1<br>GERM CELL MUTAGENICITY - Category 1<br>CARCINOGENICITY - Category 1B<br>TOXIC TO REPRODUCTION - Category 1B<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 | On basis of test data<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |

### History

|                                       |   |
|---------------------------------------|---|
| <b>Date of printing</b>               | : 06/02/25  |
| <b>Date of issue/Date of revision</b> | : 06/02/25  |
| <b>Date of previous issue</b>         | : No previous validation  |
| <b>Version</b>                        | : 0.01  |
| <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>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>UN = United Nations |
| <b>References</b>                     | : Not available.  |

✔ Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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.