# **SAFETY DATA SHEET**

Clarion® Food Machinery Gear 460



### Section 1. Identification

| Section 1. Identifi      |  |
|--------------------------|--|
| GHS product identifier   | : Clarion® Food Machinery Gear 460   |
| Synonyms                 | : Industrial white oil;  |
|                          | Industrial gear oil  |
| Code                     | : 633548009  |
| MSDS #                   | : 633548009  |
| Supplier's details       | : CITGO Petroleum Corporation<br>P.O. Box 4689<br>Houston, TX 77210<br>sdsvend@citgo.com   |
| Emergency telephone      | : Technical Contact: (800) 248-4684 (M-F, 8 AM to 4 PM)  |
| number (with hours of    | Medical Emergency: (832) 486-4700 (24 Hr)  |
| operation)               | CHEMTREC Emergency: (800) 424-9300 (24 Hr)   |
|                          | (United States Only)   |
| Section 2. Hazard        | is identification  |
| OSHA/HCS status          | : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| Classification of the    | : Not classified.  |
| substance or mixture     |  |
| GHS label elements       |  |
| Signal word              | : No signal word.  |
| Hazard statements        | : No known significant effects or critical hazards.  |
| Precautionary statements |  |
| Prevention               | : Not applicable.  |
| Response                 | : Not applicable.  |
| Storage                  | : Not applicable.  |
| Disposal                 | : Not applicable.  |
| Hazards not otherwise    | : None known.  |
|                          |  |

classified

## Section 3. Composition/information on ingredients

| Substance/mixture | 1 | Mixture               |
|-------------------|---|-----------------------|
| Other means of    | : | Industrial white oil; |
| identification    |   | Industrial gear oil   |

#### **CAS number/other identifiers**

**CAS number** : Not applicable.

| Ingredient name               | %         | CAS number |
|-------------------------------|-----------|------------|
| White mineral oil (petroleum) | ≥50 - ≤75 | 8042-47-5  |

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

## Section 3. Composition/information on ingredients

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  | <ul> <li>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower<br/>eyelids. Check for and remove any contact lenses. Get medical attention if irritation<br/>occurs.</li> </ul>                  |
|--------------|--|
| Inhalation   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| Skin contact | <ul> <li>Flush contaminated skin with plenty of water. Remove contaminated clothing and<br/>shoes. Get medical attention if symptoms occur.</li> </ul>   |
| Ingestion    | : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |

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

#### Potential acute health effects

| Eye contact          | : No known significant effects or critical hazards. |
|----------------------|---|
| Inhalation           | : No known significant effects or critical hazards. |
| Skin contact         | : No known significant effects or critical hazards. |
| Ingestion            | : No known significant effects or critical hazards. |
| Over-exposure signs/ | symptoms  |
| Eye contact          | : No specific data.                                 |
| Inhalation           | : No specific data.                                 |
| Skin contact         | : No specific data.                                 |
|                      |   |

| Ingestion | : No specific data. |
|-----------|---------------------|
|-----------|---------------------|

| Indication of immediate me | ical attention and special treatment needed, if necessary  |   |
|----------------------------|--|---|
| Notes to physician         | : Treat symptomatically. Contact poison treatment specialist immediately if large<br>quantities have been ingested or inhaled. | е |
| Specific treatments        | : Treat symptomatically and supportively.  |   |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training.   |   |

#### 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 | : In a fire or if heated, a pressure increase will occur and the container may burst.                                   |
| Hazardous thermal decomposition products   | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>phosphorus oxides |

## Section 5. Fire-fighting measures

| 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. |
|--|---|
| 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<br>personnel                                      | :   | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilled material. Put on appropriate personal<br>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<br>and sewers. Inform the relevant authorities if the product has caused environmental<br>pollution (sewers, waterways, soil or air).  |  |
| Methods and materials for co  | nta | ainment and cleaning up  |  |
| Small spill   | :   | Stop leak if without risk. Move containers from spill area. 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. 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. 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  | 1 | Put on appropriate personal protective equipment (see Section 8).  |
|--|---|--|
| 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.  |
| Conditions for safe storage,<br>including any<br>incompatibilities | : | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
|  |   | Bulk Storage Conditions: Maintain all storage tanks in accordance with applicable regulations. Use necessary controls to monitor tank inventories. Inspect all storage tanks on a periodic basis. Test tanks and associated piping for tightness. Maintain the automatic leak detection devices to assure proper working condition.  |

## Section 8. Exposure controls/personal protection

#### Control parameters

| ACGIH TLV (United States, 3/2018).<br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalabl<br>fraction<br>NIOSH REL (United States, 10/2016).<br>TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist<br>STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mi<br>OSHA PEL (United States, 5/2018).<br>TWA: 5 mg/m <sup>3</sup> 8 hours.   |   |
|---|---|
| Good general ventilation should be sufficient to control worker exposure to airbor contaminants.  | ne  |
| Emissions from ventilation or work process equipment should be checked to ensu-<br>they comply with the requirements of environmental protection legislation. In som<br>cases, vapor controls, filters or engineering modifications to the process equipme<br>be necessary to reduce emissions to acceptable levels.  | ne  |
| <u>2</u>  |   |
| Wash hands, forearms and face thoroughly after handling chemical products, bet<br>eating, smoking and using the lavatory and at the end of the working period.<br>Appropriate techniques should be used to remove potentially contaminated clothi<br>Wash contaminated clothing before reusing. Ensure that eyewash stations and s<br>showers are close to the workstation location.  | ng.   |
| Safety glasses equipped with side shields are recommended as minimum protect<br>industrial settings. If contact is possible, the following protection should be worn,<br>the assessment indicates a higher degree of protection: chemical splash goggles<br>Safety eyewear complying with an approved standard should be used when a risk<br>assessment indicates this is necessary to avoid exposure to liquid splashes, mist<br>gases or dusts. If inhalation hazards exist, a full-face respirator may be required<br>instead. | unless<br>s.<br><   |
|   |   |
| Chemical-resistant gloves complying with an approved standard should be worn a times when handling chemical products if a risk assessment indicates this is nece  |   |
| Personal protective equipment for the body should be selected based on the task performed and the risks involved and should be approved by a specialist before handling this product.   | being   |
| Avoid skin contact with liquid. Appropriate footwear and any additional skin prote measures should be selected based on the task being performed and the risks in and should be approved by a specialist before handling this product. Leather boo not protective for liquid contact.   | volved  |
| Avoid inhalation of gases, vapors, mists or dusts. Use a properly fitted, air-purify<br>supplied-air respirator complying with an approved standard if a risk assessment<br>indicates this is necessary. Respirator selection must be based on known or anti<br>exposure levels, the hazards of the product and the safe working limits of the selection.   | cipated   |
| n)<br>:<br>:<br>:<br>:<br>:   | <ul> <li>TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Inhalab fraction</li> <li>NIOSH REL (United States, 10/2016).<br/>TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Mist STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Mist STEL: 10 mg/m<sup>3</sup> 8 hours.</li> <li>Good general ventilation should be sufficient to control worker exposure to airbor contaminants.</li> <li>Emissions from ventilation or work process equipment should be checked to ens they comply with the requirements of environmental protection legislation. In son cases, vapor controls, filters or engineering modifications to the process equipmed be necessary to reduce emissions to acceptable levels.</li> <li>Wash hands, forearms and face thoroughly after handling chemical products, be eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing before reusing. Ensure that eyewash stations and s showers are close to the workstation location.</li> <li>Safety glasses equipped with side shields are recommended as minimum protect industrial settings. If contact is possible, the following protection should be worn, the assessment indicates a higher degree of protection: chemical splash goggle. Safety eyewear complying with an approved standard should be used when a risl assessment indicates this is necessary to avoid exposure to liquid splashes, mist gases or dusts. If inhalation hazards exist, a full-face respirator may be required instead.</li> <li>Chemical-resistant gloves complying with an approved standard should be worn, times when handling chemical products if a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mist and should be approved by a specialist before handling this product.</li> <li>Avoid skin contact with liquid. Appropriate footwear and any additional skin protem handling the groudet.</li> <li>Avoid shin contact with liquid. Appropriate footwear and any additional skin protem handling t</li></ul> |

## Section 9. Physical and chemical properties

| Date of issue/Date of revision | : 11/12/2019  | Date of previous issue     | : 6/14/2018 | Version | :2 | 4/10 |
|--------------------------------|---------------|----------------------------|-------------|---------|----|------|
| Evaporation rate               | : <1 (n-buty  | /l acetate. = 1)           |             |         |    |      |
| Flash point                    | : Open cup    | : 246°C (474.8°F) [Clevela | ind.]       |         |    |      |
| Boiling point                  | : Not availa  | ble.                       |             |         |    |      |
| рН                             | : Not availa  | ble.                       |             |         |    |      |
| Odor                           | : Practically | / odorless                 |             |         |    |      |
| Color                          | : Transpare   | ent, colorless.            |             |         |    |      |
| Physical state                 | : Liquid.     |                            |             |         |    |      |
| Appearance                     |               |                            |             |         |    |      |

## Section 9. Physical and chemical properties

| Lower and upper explosive (flammable) limits | : Not available.   |
|--|--|
| Vapor pressure                               | : <0.0013 kPa (<0.01 mm Hg) [room temperature]               |
| Vapor density                                | : >1 [Air = 1]   |
| Relative density                             | : 0.88   |
| Density lbs/gal                              | : Estimated 7.34 lbs/gal                                     |
| Density gm/cm <sup>3</sup>                   | : Not available.   |
| Gravity, °API                                | : Estimated 29 @ 60 F  |
| Solubility                                   | : Insoluble in the following materials: cold water.          |
| Flow time (ISO 2431)                         | : Not available.   |
| Viscosity                                    | : Kinematic (40°C (104°F)): 4.6 cm <sup>2</sup> /s (460 cSt) |
| Viscosity SUS                                | : Estimated 2131 SUS @104 F                                  |

## Section 10. Stability and reactivity

| Reactivity                         | : Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s). |
|------------------------------------|---|
| 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                | : No specific data.   |
| Incompatible materials             | : No specific data.   |
| 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

| Product/ingredient name       | Result  | Species   | Dose   | Exposure  |
|-------------------------------|---|---|--|---|
| White mineral oil (petroleum) | LD50 Dermal<br>LD50 Oral  | Rabbit<br>Rat   | >2000 mg/kg<br>>5000 mg/kg   | -   |
| Conclusion/Summary            | <ul> <li>White mineral oil (petroleum):<br/>25,45,50,70]<br/>DRAIZE EYE, Acute: Non-irritati<br/>DRAIZE DERMAL, Acute: Non-i<br/>BUEHLER, Acute: Non-sensitizi<br/>28-Day DERMAL, Sub-Chronic:<br/>104-Week DERMAL, Chronic: N<br/>MUTAGENICITY:<br/>Modified Ames Assay: Negat<br/>in-vitro Lymphoma Assay: Negat<br/>in-vitro Lymphoma Assay: Negat<br/>low acute and sub-acute toxicitie<br/>repeated exposures to high conc<br/>workplace exposure levels include<br/>formation and lipoid pneumonia.<br/>lower concentrations of mineral of<br/>produced no significant toxicolog</li> </ul> | ng [Rabbit].<br>rritating [Rabbit].<br>ng [Guinea Pig].<br>Non-irritating [Ra<br>lo skin tumors at s<br>ive [Salmonella ty<br>egative or no toxic<br>dies indicated tha<br>s derived from hig<br>s in animals. Effe<br>entrations of mine<br>le lung inflammate<br>In acute and sub<br>pil mists at or near | bbit].<br>site of application [N<br>/phimurium].<br>sity [Mouse].<br>t white mineral oils are<br>phly refined oils are<br>ects from single and<br>eral oil mists well ab<br>ory reaction, lipoid g<br>-acute studies invol<br>r current work place | Mouse].<br>are not mutagenic<br>reported to have<br>I short-term<br>pove applicable<br>granuloma<br>lving exposures to<br>e exposure levels |

## Section 11. Toxicological information

carcinogenic effects have been reported in any animal species tested.

#### Irritation/Corrosion

| Not available.   |   |
|--|---|
| Skin   | : No additional information.  |
| Eyes   | : No additional information.  |
| Respiratory  | : No additional information.  |
| Sensitization  |   |
| Not available.   |   |
| Skin   | : No additional information.  |
| Respiratory  | : No additional information.  |
| Mutagenicity<br>Not available.   |   |
| Conclusion/Summary   | : No additional information.  |
| Carcinogenicity<br>Not available.  |   |
| Conclusion/Summary   | : No additional information.  |
| Reproductive toxicity<br>Not available.  |   |
| Conclusion/Summary   | : No additional information.  |
| Teratogenicity   |   |
| Not available.   |   |
|  |   |
| Conclusion/Summary   | : No additional information.  |
|  |   |
| Conclusion/Summary<br>Specific target organ toxi   | <u>city (single exposure)</u>   |
| Conclusion/Summary<br>Specific target organ toxi<br>Not available.<br>Specific target organ toxi   | <u>city (single exposure)</u>   |
| Conclusion/Summary<br>Specific target organ toxi<br>Not available.<br>Specific target organ toxi<br>Not available.<br>Aspiration hazard<br>Not available.  | <u>city (single exposure)</u><br><u>city (repeated exposure)</u>  |
| Conclusion/Summary<br>Specific target organ toxic<br>Not available.<br>Specific target organ toxic<br>Not available.<br>Aspiration hazard<br>Not available.  | city (single exposure)<br>city (repeated exposure)<br>: Routes of entry anticipated: Dermal.  |
| Conclusion/Summary<br>Specific target organ toxic<br>Not available.<br>Specific target organ toxic<br>Not available.<br>Aspiration hazard<br>Not available.  | city (single exposure)<br>city (repeated exposure)<br>: Routes of entry anticipated: Dermal.  |
| Conclusion/Summary<br>Specific target organ toxic<br>Not available.<br>Specific target organ toxic<br>Not available.<br>Aspiration hazard<br>Not available.<br>Information on the likely<br>routes of exposure<br>Potential acute health effect<br>Eye contact<br>Inhalation   | <ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>: Routes of entry anticipated: Dermal.</li> <li>cts <ul> <li>: No known significant effects or critical hazards.</li> <li>: No known significant effects or critical hazards.</li> </ul> </li> </ul>   |
| Conclusion/Summary<br>Specific target organ toxic<br>Not available.<br>Specific target organ toxic<br>Not available.<br>Aspiration hazard<br>Not available.<br>Information on the likely<br>routes of exposure<br>Potential acute health effect<br>Eye contact<br>Inhalation<br>Skin contact   | <ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>: Routes of entry anticipated: Dermal.</li> <li>cts <ul> <li>: No known significant effects or critical hazards.</li> <li>: No known significant effects or critical hazards.</li> <li>: No known significant effects or critical hazards.</li> </ul> </li> </ul>  |
| Conclusion/Summary<br>Specific target organ toxic<br>Not available.<br>Specific target organ toxic<br>Not available.<br>Aspiration hazard<br>Not available.<br>Information on the likely<br>routes of exposure<br>Potential acute health effect<br>Eye contact<br>Inhalation   | <ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>: Routes of entry anticipated: Dermal.</li> <li>cts <ul> <li>: No known significant effects or critical hazards.</li> <li>: No known significant effects or critical hazards.</li> </ul> </li> </ul>   |
| Conclusion/Summary<br>Specific target organ toxi<br>Not available.<br>Specific target organ toxi<br>Not available.<br>Aspiration hazard<br>Not available.<br>Not available.<br>Information on the likely<br>routes of exposure<br>Potential acute health effect<br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion                              | <ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>: Routes of entry anticipated: Dermal.</li> <li>cts <ul> <li>: No known significant effects or critical hazards.</li> </ul> </li> </ul>  |
| Conclusion/Summary<br>Specific target organ toxi<br>Not available.<br>Specific target organ toxi<br>Not available.<br>Aspiration hazard<br>Not available.<br>Not available.<br>nformation on the likely<br>routes of exposure<br>Potential acute health effect<br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion                               | <ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>Routes of entry anticipated: Dermal.</li> <li>cts <ul> <li>No known significant effects or critical hazards.</li> </ul> </li> </ul>  |
| Conclusion/Summary<br>Specific target organ toxic<br>Not available.<br>Specific target organ toxic<br>Not available.<br>Aspiration hazard<br>Not available.<br>Not available.<br>nformation on the likely<br>outes of exposure<br>Potential acute health effect<br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion                              | <ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>city (repeated exposure)</li> <li>Routes of entry anticipated: Dermal.</li> <li>cts <ul> <li>No known significant effects or critical hazards.</li> </ul> </li> <li>hysical, chemical and toxicological characteristics</li> </ul>  |
| Conclusion/Summary<br>Specific target organ toxic<br>Not available.<br>Specific target organ toxic<br>Not available.<br>Aspiration hazard<br>Not available.<br>Information on the likely<br>routes of exposure<br>Potential acute health effect<br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br>Symptoms related to the pr<br>Eye contact | <ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>: Routes of entry anticipated: Dermal.</li> <li>: No known significant effects or critical hazards.</li> </ul> |

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

| Date of issue/Date of revision | : 11/12/2019 | Date of previous issue | : 6/14/2018 | Version : 2 | 6/10 |
|--------------------------------|--------------|------------------------|-------------|-------------|------|
|--------------------------------|--------------|------------------------|-------------|-------------|------|

## Section 11. Toxicological information

|                                | 0   |  |
|--------------------------------|---|--|
| Potential immediate<br>effects | : Not available.                                    |  |
| Potential delayed effects      | : Not available.                                    |  |
| <u>Long term exposure</u>      |   |  |
| Potential immediate effects    | : Not available.                                    |  |
| Potential delayed effects      | : Not available.                                    |  |
| Potential chronic health eff   | <u>ects</u>   |  |
| Not available.                 |   |  |
| General                        | : No known significant effects or critical hazards. |  |
| Carcinogenicity                | : No known significant effects or critical hazards. |  |
| Mutagenicity                   | : No known significant effects or critical hazards. |  |
| Teratogenicity                 | : No known significant effects or critical hazards. |  |
| <b>Developmental effects</b>   | : No known significant effects or critical hazards. |  |
| Fertility effects              | : No known significant effects or critical hazards. |  |
|                                |   |  |

## Section 12. Ecological information

| Toxicity                      |                  |         |          |
|-------------------------------|------------------|---------|----------|
| Product/ingredient name       | Result           | Species | Exposure |
| White mineral oil (petroleum) | LC50 >2000 mg/l  | Fish    | 96 hours |
| Conclusion/Summarv            | : Not available. |         |          |

#### Persistence and degradability

| Conclusion/Summary            | : Not available.  |            |                  |
|-------------------------------|-------------------|------------|------------------|
| Product/ingredient name       | Aquatic half-life | Photolysis | Biodegradability |
| White mineral oil (petroleum) | -                 | -          | Not readily      |

#### **Bioaccumulative potential**

| Product/ingredient name       | LogPow | BCF | Potential |
|-------------------------------|--------|-----|-----------|
| White mineral oil (petroleum) | >6     | -   | high      |

#### Mobility in soil

Soil/water partition coefficient (Koc)

: 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. Avoid

### Section 13. Disposal considerations

dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                               | DOT Classification | IMDG           | ΙΑΤΑ           |
|-------------------------------|--------------------|----------------|----------------|
| UN number                     | Not regulated.     | Not regulated. | Not regulated. |
| UN proper<br>shipping name    | -                  | -              | -              |
| Transport<br>hazard class(es) | -                  | -              | -              |
| Packing group                 | -                  | -              | -              |
| Environmental<br>hazards      | No.                | No.            | No.            |

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 : Not available. to Annex II of MARPOL and the IBC Code

### Section 15. Regulatory information

| U.S. Federal regulations       | :            | United Sta             | ites inventory (TSCA 8   | <b>3b)</b> : All components                  | are listed or exe                        | mpted.                         |              |
|--------------------------------|--------------|------------------------|--|--|--|--------------------------------|--------------|
|                                |              | and the Oil sheen on v | ial is classified as an oil<br>Pollution Act of 1990 (<br>vaters of the United Stat<br>waters must be reported | OPA). Discharges o<br>tes, their adjoining s | r spills which pro<br>horelines, or into | oduce a visit<br>o conduits le | olé<br>ading |
| <u>SARA 302/304</u>            |              |                        |  |  |  |                                |              |
| Composition/information        | on in        | gredients              |  |  |  |                                |              |
| SARA 304 RQ                    | : N          | lot applicat           | ble.   |  |  |                                |              |
| SARA 311/312                   |              |                        |  |  |  |                                |              |
| Classification                 | : N          | lot applicat           | ole.   |  |  |                                |              |
| Composition/information        | <u>on in</u> | gredients              |  |  |  |                                |              |
| No products were found.        |              |                        |  |  |  |                                |              |
| State regulations              |              |                        |  |  |  |                                |              |
| Massachusetts                  | : N          | lone of the            | components are listed.   |  |  |                                |              |
| New York                       | : N          | lone of the            | components are listed.   |  |  |                                |              |
| New Jersey                     | : N          | lone of the            | components are listed.   |  |  |                                |              |
| Pennsylvania                   | : N          | lone of the            | components are listed.   |  |  |                                |              |
| International regulations      |              |                        |  |  |  |                                |              |
| Inventory list                 |              |                        |  |  |  |                                |              |
| United States                  | : A          | ll compone             | ents are listed or exemp   | ted.   |  |                                |              |
| Date of issue/Date of revision | : 11/1       | 2/2019                 | Date of previous issue   | : 6/14/2018                                  | Version                                  | :2                             | 8/10         |

| Date of issue/Date of revision | : 11/12/2019 | Date of previous issue | : 6/14/2018 | Version : 2 | 8/ |
|--------------------------------|--------------|------------------------|-------------|-------------|----|
|--------------------------------|--------------|------------------------|-------------|-------------|----|

### Section 15. Regulatory information

| Ŭ                 | 5  |
|-------------------|--|
| Australia         | : All components are listed or exempted.   |
| Canada            | : All components are listed or exempted.   |
| China             | : Not determined.  |
| Europe            | : All components are listed or exempted.   |
| Japan             | : Japan inventory (ENCS): Not determined.<br>Japan inventory (ISHL): Not determined. |
| Malaysia          | : Not determined.  |
| New Zealand       | : All components are listed or exempted.   |
| Philippines       | : All components are listed or exempted.   |
| Republic of Korea | : All components are listed or exempted.   |
| Taiwan            | : Not determined.  |
| Thailand          | : Not determined.  |
| Turkey            | : Not determined.  |
| Viet Nam          | : Not determined.  |
|                   |  |

### Section 16. Other information

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

| Classification                 |   | Justification                                |  |
|--------------------------------|---|--|--|
| Not classified.                |   |  |  |
| History                        |   |  |  |
| Date of printing               | : 11/14/2019  |  |  |
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| Date of previous issue         | : 6/14/2018   |  |  |
| Version                        | : 2   |  |  |
| Key to abbreviations           | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification<br>IATA = International Air Transport Association<br>IBC = International Air Transport Association | fficient<br>on of Pollution From Ships, 1973 |  |
| References                     | : Not available.  | Not available.                               |  |
| Indicates information the      | at has changed from previously issued version.  |  |  |

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### Section 16. Other information

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