

Section 1. Identification

| | |
|-------------------------------|--|
| GHS product identifier | : Mystik® JT-6® Industrial Robot Grease #0 |
| Synonyms | : Lubricating grease CITGO® Material Code: 665032002; Formerly known as Mystik JT-6 RoboGold #0 |
| Material uses | : Grease |
| Code | : 665032002 |
| MSDS # | : 665032002 |

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

Not applicable.

| | |
|---|--|
| Supplier's details | : CITGO Petroleum Corporation P.O. Box 4689 Houston, TX 77210 sdsvend@citgo.com |
| Emergency telephone number (with hours of operation) | : Technical Contact: (800) 248-4684 Medical Emergency: (832) 486-4700 CHEMTREC Emergency: (800) 424-9300 (United States Only) |

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 | : Not classified. |
|---|-------------------|

GHS label elements

| | |
|--------------------------|---|
| Signal word | : No signal word. |
| Hazard statements | : No known significant effects or critical hazards. |

Precautionary statements

| | |
|-------------------|--|
| General | : Keep out of reach of children. |
| Prevention | : Do not get in eyes, on skin, or on clothing. |
| Response | : Wash with plenty of soap and water or use a recognized skin cleanser. |
| Storage | : Store in accordance with all local, regional, national and international regulations. Store in a dry place and a closed container. Empty containers may contain material residues which can ignite with explosive force. Misuse of empty containers can be dangerous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers can cause fire, explosion, or release of toxic fumes from residues. Do not pressurize or expose empty containers to open flame, sparks, or heat. Keep container closed and drum bungs in place. All label warnings and precautions must be observed. Return empty drums to a qualified reconditioner. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling, or disposing of empty containers and/or waste residues of this material. |

| | |
|-----------------|---|
| Disposal | : Dispose of contents and container in accordance with all local, regional, national and international regulations. |
|-----------------|---|

| | |
|---|--|
| Hazards not otherwise classified | : Injection of pressurized hydrocarbons can cause severe permanent tissue damage. Initial symptoms may be minor. Injection of petroleum hydrocarbons requires immediate medical attention. |
|---|--|

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Other means of identification : Lubricating grease
 CITGO® Material Code: 665032002; Formerly known as Mystik JT-6 RoboGold #0

CAS number/other identifiers

CAS number : Not applicable.

| Ingredient name | % | CAS number |
|--|-----------|-------------|
| Distillates (petroleum), hydrotreated heavy paraffinic | ≥25 - ≤50 | 64742-54-7 |
| Residual oils (petroleum), solvent-dewaxed | ≥10 - ≤25 | 64742-62-7 |
| 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated | ≥10 - <25 | 68649-12-7 |
| 1-Dodecene polymer with 1-decene and 1-octene hydrogenated | ≥10 - ≤17 | 163149-28-8 |
| 1-Dodecene polymer with 1-decene, hydrogenated | ≥10 - ≤17 | 151006-60-9 |
| Molybdenum, bis(dibutylcarbamodithioato)di-μ-oxodioxodi-, sulfurized | ≤3 | 68412-26-0 |

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

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 :
Inhalation : Get medical attention if symptoms occur.
Skin contact :
Ingestion : 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 : Injection of pressurized hydrocarbons can cause severe permanent tissue damage. Initial symptoms may be minor.
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 medical attention and special treatment needed, if necessary

Notes to physician : In the event of injection in underlying tissue, immediate treatment should include extensive incision, debridement and saline irrigation. Inadequate treatment can result in ischemia and gangrene. Early symptoms may be minimal.
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 : No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides
phosphorus oxides
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.

Special protective equipment for fire-fighters :

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel :

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 : No specific hazard.

Methods and materials for containment and cleaning up

Small spill :

Large spill : 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 :

Advice on general occupational hygiene : 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, including any incompatibilities : Store in accordance with local regulations. See Section 10 for incompatible materials before handling or use.

Bulk Storage Conditions:

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Distillates (petroleum), hydrotreated heavy paraffinic

ACGIH TLV (United States, 1/2021).

TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction

OSHA PEL (United States, 5/2018).

TWA: 5 mg/m³ 8 hours.

NIOSH REL (United States, 10/2020).

TWA: 5 mg/m³ 10 hours. Form: Mist

STEL: 10 mg/m³ 15 minutes. Form: Mist

Residual oils (petroleum), solvent-dewaxed

ACGIH TLV (United States, 6/2013).

TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction

NIOSH REL (United States, 4/2013).

TWA: 5 mg/m³ 10 hours. Form: Mist

STEL: 10 mg/m³ 15 minutes. Form: Mist

OSHA PEL (United States, 2/2013).

TWA: 5 mg/m³ 8 hours.

1-Dodecene polymer with 1-decene and 1-octene hydrogenated

ACGIH TLV (United States).

Inhalable Fraction: 5 mg/m³ Form: Aerosol.

1-Dodecene polymer with 1-decene, hydrogenated

ACGIH TLV (United States).

Inhalable Fraction: 5 mg/m³ Form: Aerosol.

Molybdenum, bis(dibutylcarbamodithioato)di-μ-oxodioxodi-, sulfurized

ACGIH TLV (United States, 1/2021).

TWA: 10 mg/m³, (as Mo) 8 hours. Form: Inhalable fraction

TWA: 3 mg/m³, (as Mo) 8 hours. Form:

Respirable fraction

OSHA PEL (United States, 5/2018).

TWA: 15 mg/m³, (as Mo) 8 hours. Form:

Total dust

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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, vapor controls, 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.

Eye/face protection

: Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of 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 inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection

:

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.

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.

Section 8. Exposure controls/personal protection

Respiratory protection : Avoid inhalation of gases, vapors, mists or dusts.

Section 9. Physical and chemical properties

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

Appearance

- Physical state** : Solid. [Semi-solid to Solid.]
Color : Amber.
Odor : Mild petroleum odor
pH : Not available.
Boiling point, initial boiling point, and boiling range : Not available.
Flash point : Open cup: >150°C (>302°F) [Estimated]
Lower and upper explosive (flammable) limits : Not applicable.
Vapor pressure : Not available.
Relative vapor density : Not applicable.
Relative density : 0.89
Density lbs/gal : Estimated 7.42 lbs/gal
Density gm/cm³ : Not available.
Gravity, °API : Estimated 27 @ 60 F
Solubility : Insoluble in the following materials: cold water.
Auto-ignition temperature : Not applicable.
NLGI Grade : 0
Flow time (ISO 2431) : Not available.
- ### Particle characteristics
- Median particle size** : Not available.

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

Section 11. Toxicological information

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|---------------------------------|--------------------|--------------|----------|
| Distillates (petroleum), hydrotreated heavy paraffinic | LD50 Dermal | Rat | >5000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| 1-Dodecene polymer with 1-decene and 1-octene hydrogenated | LC50 Inhalation Dusts and mists | Rat - Male, Female | 1.17 mg/l | 4 hours |
| | LD50 Dermal | Rat - Male, Female | >2000 mg/kg | - |
| | LD50 Oral | Rat - Male, Female | >5000 mg/kg | - |
| | LC50 Inhalation Dusts and mists | Rat - Male, Female | >5 mg/l | 4 hours |
| 1-Dodecene polymer with 1-decene, hydrogenated | LD50 Dermal | Rat - Male, Female | >2000 mg/kg | - |
| | LD50 Oral | Rat - Male, Female | >5000 mg/kg | - |
| | LC50 Inhalation Dusts and mists | Rat | >34.4 mg/l | 4 hours |
| Molybdenum, bis(dibutylcarbamodithioato)di- μ -oxodioxodi-, sulfurized | LD50 Dermal | Rabbit | >10000 mg/kg | - |
| | LD50 Oral | Rat | >10000 mg/kg | - |

Conclusion/Summary : **Distillates (petroleum), hydrotreated heavy paraffinic**: Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipid granuloma formation and lipid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects.

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts: INHALATION (LC50), Acute: > 1310 mg/L (Rat screen level)(4 hours).
 DRAIZE EYE, Acute: Severe eye irritant. (Rabbit).
 DRAIZE DERMAL, Acute: Mild to moderate skin irritant. (Rabbit).
 BUEHLER DERMAL, Acute: Non-sensitizing. (Guinea Pig).
 28-Day DERMAL, Sub-Chronic: Severe skin irritant. (Rabbit). Reported reduced food consumption resulting in weight loss and testicular atrophy.

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|--|------------------------------------|---------|-------|-----------------|-------------|
| 1-Dodecene polymer with 1-decene and 1-octene hydrogenated | Skin - Edema | Rabbit | 0.7 | 4 hours 0.5ml | 7 days |
| | Eyes - Redness of the conjunctivae | Rabbit | 1 | 24 hours 0.5 ml | 72 hours |
| 1-Dodecene polymer with 1-decene, hydrogenated | Skin - Edema | Rabbit | 0.7 | 4 hours 0.5ml | 7 days |
| | Eyes - Redness of the conjunctivae | Rabbit | 1 | 24 hours 0.5 ml | 72 hours |

Skin : **1-Dodecene polymer with 1-decene and 1-octene hydrogenated**: This product can cause mild skin irritation and inflammation.

1-Dodecene polymer with 1-decene, hydrogenated: This product can cause mild skin irritation and inflammation.

Eyes : **1-Dodecene polymer with 1-decene and 1-octene hydrogenated**: Practically non-irritating to eyes.

1-Dodecene polymer with 1-decene, hydrogenated: Practically non-irritating to eyes.

Respiratory : No additional information.

Sensitization

Section 11. Toxicological information

| Product/ingredient name | Route of exposure | Species | Result |
|--|-------------------|------------|-----------------|
| 1-Dodecene polymer with 1-decene and 1-octene hydrogenated | skin | Guinea pig | Not sensitizing |
| 1-Dodecene polymer with 1-decene, hydrogenated | skin | Guinea pig | Not sensitizing |

Skin : **1-Dodecene polymer with 1-decene and 1-octene hydrogenated**: Non-sensitizer to skin.

1-Dodecene polymer with 1-decene, hydrogenated: Non-sensitizer to skin.

Respiratory : No additional information.

Mutagenicity

| Product/ingredient name | Test | Experiment | Result |
|--|------|--|----------|
| 1-Dodecene polymer with 1-decene and 1-octene hydrogenated | EU | Experiment: In vitro Subject: Bacteria | Negative |
| | EU | Experiment: In vivo Subject: Mammalian-Animal | Negative |
| 1-Dodecene polymer with 1-decene, hydrogenated | EU | Experiment: In vitro Subject: Bacteria | Negative |
| | EU | Experiment: In vivo Subject: Mammalian-Animal | Negative |

Conclusion/Summary : **1-Dodecene polymer with 1-decene and 1-octene hydrogenated**: No mutagenic effect.

1-Dodecene polymer with 1-decene, hydrogenated: No mutagenic effect.

Carcinogenicity

Not available.

Conclusion/Summary : No additional information.

Reproductive toxicity

| Product/ingredient name | Maternal toxicity | Fertility | Development toxin | Species | Dose | Exposure |
|--|-------------------|-----------|-------------------|--------------------|-------------------------|----------|
| 1-Dodecene polymer with 1-decene and 1-octene hydrogenated | Negative | Negative | Negative | Rat - Male, Female | Oral: 1000 mg/ kg | - |
| 1-Dodecene polymer with 1-decene, hydrogenated | Negative | Negative | Negative | Rat - Male, Female | Oral: 1000 mg/ kg | - |

Conclusion/Summary : **1-Dodecene polymer with 1-decene and 1-octene hydrogenated**: No known significant effects or critical hazards.

1-Dodecene polymer with 1-decene, hydrogenated: No known significant effects or critical hazards.

Teratogenicity

Not available.

Conclusion/Summary : No additional information.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Section 11. Toxicological information

| Name | Result |
|--|--------------------------------|
| 1-Dodecene polymer with 1-decene and 1-octene hydrogenated | ASPIRATION HAZARD - Category 1 |
| 1-Dodecene polymer with 1-decene, hydrogenated | ASPIRATION HAZARD - Category 1 |

Information on the likely routes of exposure : Not available.

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Injection of pressurized hydrocarbons can cause severe permanent tissue damage. Initial symptoms may be minor.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

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

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) |
|--|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| Mystik® JT-6® Industrial Robot Grease #0 | 141794.4 | 6518.1 | N/A | N/A | N/A |
| 1-Dodecene polymer with 1-decene and 1-octene hydrogenated | N/A | 2500 | N/A | N/A | N/A |
| 1-Dodecene polymer with 1-decene, hydrogenated | N/A | 2500 | N/A | N/A | N/A |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|--|-----------------------------------|--|----------|
| 1-Dodecene polymer with 1-decene and 1-octene hydrogenated | Acute EC50 1000 mg/l Fresh water | Crustaceans - Daphnia magna | 48 hours |
| | Acute LC50 >1000 mg/l Fresh water | Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| 1-Dodecene polymer with 1-decene, hydrogenated | Chronic NOEL 125 mg/l Fresh water | Crustaceans - Daphnia magna | 21 days |
| | Acute EC50 1000 mg/l Fresh water | Crustaceans - Daphnia magna | 48 hours |
| | Acute LC50 >1000 mg/l Fresh water | Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| | Chronic NOEL 125 mg/l Fresh water | Crustaceans - Daphnia magna | 21 days |

Conclusion/Summary : **1-Dodecene polymer with 1-decene and 1-octene hydrogenated**: No known significant effects or critical hazards.
1-Dodecene polymer with 1-decene, hydrogenated: No known significant effects or critical hazards.

Persistence and degradability

Not available.

Conclusion/Summary : Not available.

Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|--|--------------------|-----|-----------|
| 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated | 5 | - | high |

Mobility in soil

Soil/water partition coefficient (K_{oc}) : 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.

Section 14. Transport information

Section 14. Transport information

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

Oil: The product(s) represented by this SDS is (are) regulated as “oil” under 49 CFR Part 130. Shipments by rail or highway in packaging having a capacity of 3500 gallons or more or in a quantity greater 42,000 gallons are subject to these requirements. In addition, mixtures containing 10% or more of this product may be subject to these requirements.

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 : **United States inventory (TSCA 8b):** All components are listed or exempted.
Clean Water Act (CWA) 307: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts
 This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

SARA 302/304

Composition/information on ingredients

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : HNOC - Injection Hazards

Composition/information on ingredients

| Name | % | Classification |
|--|-----------|--|
| 1-Dodecene polymer with 1-decene and 1-octene hydrogenated | ≥10 - ≤17 | ASPIRATION HAZARD - Category 1 HNOC - Injection Hazards |
| 1-Dodecene polymer with 1-decene, hydrogenated | ≥10 - ≤17 | ASPIRATION HAZARD - Category 1 HNOC - Injection Hazards |

SARA 313

Section 15. Regulatory information

| | Product name | CAS number | % |
|--|---|------------|----|
| Form R - Reporting requirements | Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts | 68649-42-3 | <2 |
| Supplier notification | Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts | 68649-42-3 | <2 |

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: ZINC compounds
Pennsylvania : The following components are listed: ZINC COMPOUNDS

International regulations

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

Inventory list

- United States** : All components are listed or exempted.
Australia : All components are listed or exempted.
Canada : All components are listed or exempted.
China : All components are listed or exempted.
Europe : Not determined.
Japan : **Japan inventory (CSCL)**: Not determined.
Japan inventory (ISHL): Not determined.
Malaysia : Not determined
New Zealand : Not determined.
Philippines : Not determined.
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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Section 16. Other information**Procedure used to derive the classification**

| Classification | Justification |
|-----------------|---------------|
| Not classified. | |

History

Date of printing : 3/18/2022

Date of issue/Date of revision : 3/18/2022

Date of previous issue : 2/23/2022

Version : 5

Key to abbreviations

: ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 UN = United Nations

References

: Not available.

▣ Indicates information that has changed from previously issued version.

Notice to reader

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