# MSDS SUPPLEMENT TO GHS REGULATIONS

To comply with the Hazardous Substance and New Organisms Act, this coversheet offers New Zealand specific information. This page "0", is to be considered part of the MSDS.

## PRODUCT NAME & COMPANY IDENTIFICATION

| Product Name | Date of Issue |
|---|---|
| FLOW-GUARD SYN HYD OIL - ISO 22 | 10/04/2023 |

| | |
|---|---|
| Company Name | **Industrial Lubricants & Services Ltd**<br>1/15 Accent Drive<br>East Tamaki<br>Auckland 2013 |
| Emergency Contact | ***National Poisons Centre - NZ***<br>***0800 764 766 or Chemcall 0800 243 622*** |

## Hazard Identification

**As per Hazardous Substances (Hazard Classification) Notice 2020, this material is classified:**

**GHS 7 / REACH**

Reproductive toxicity Category 2

*H361 - Suspected of damaging fertility or the unborn child*

**According to criteria in Transport of Dangerous Goods on Land NZS 5433:2020 this product is not regulated or considered Dangerous Goods for Transport**

## Other Identification

| | |
|---|---|
| **HSN (Tariff Code)** | 2710.12.59 19B |
| **Shelf Life** | 5 Years |

# JAX Flow-Guard Synthetic Fluid ISO 22

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 4/10/2023 Supersedes: 4/10/2023 Version: 1.0

## SECTION 1: Identification

### 1.1. Identification

| | | |
|---|---|---|
| Product form | : | Mixture |
| Product name | : | JAX Flow-Guard Synthetic Fluid ISO 22 |
| Product code | : | FGS022 |

### 1.2. Recommended use and restrictions on use

| | | |
|---|---|---|
| Use of the substance/mixture | : | Lubricant where there may be incidental food contact |

### 1.3. Supplier

JAX INC.
W134N5373 Campbell Drive
Menomonee Falls, WI 53051
T (262) 781-8850
info@jax.com

### 1.4. Emergency telephone number

| | | |
|---|---|---|
| Emergency number | : | Infotrac : North America 1-800-535-5053 \| International 1-352-323-3500 |

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

**GHS US classification**

| | | |
|---|---|---|
| Reproductive toxicity Category 2 | H361 | Suspected of damaging fertility or the unborn child |

Full text of H statements : see section 16

### 2.2. GHS Label elements, including precautionary statements

**GHS US labeling**

Hazard pictograms (GHS US) :

| | | |
|---|---|---|
| Signal word (GHS US) | : | Warning |
| Hazard statements (GHS US) | : | H361 - Suspected of damaging fertility or the unborn child |
| Precautionary statements (GHS US) | : | P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection.<br>P308+P313 - If exposed or concerned: Get medical advice/attention.<br>P405 - Store locked up.<br>P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

98.6% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
98.6% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
98.6% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % |
|---|---|---|
| decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate | CAS-No.: 11138-60-6 | 1-5 |
| benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | CAS-No.: 68411-46-1 | <1.0 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**JAX Flow-Guard Synthetic Fluid ISO 22**

No additional information available

**benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)**

No additional information available

**decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate (11138-60-6)**

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

| |
|---|
| **Hand protection:** |
| Protective gloves |
| **Eye protection:** |
| Safety glasses |
| **Skin and body protection:** |
| Wear suitable protective clothing |
| **Respiratory protection:** |
| [In case of inadequate ventilation] wear respiratory protection. |

**Personal protective equipment symbol(s):**

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Color | : | white |
| Odor | : | No data available |
| Odor threshold | : | No data available |
| pH | : | No data available |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| Flash point | : | 453 °F (234°F) min., ASTM D 92 |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Flammability (solid, gas) | : | Not applicable. |
| Vapor pressure | : | No data available |
| Relative vapor density at 20°C | : | No data available |
| Relative density | : | 0.83 – 0.87 (typical) |
| Solubility | : | No data available |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosion limits | : | No data available |
| Explosive properties | : | No data available |
| Oxidizing properties | : | No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| **JAX Flow-Guard Synthetic Fluid ISO 22** | |
|---|---|
| Unknown acute toxicity (GHS US) | 98.6% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)<br>98.6% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)<br>98.6% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist)) |
| **benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)** | |
| LD50 oral rat | > 5000 mg/kg (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | > 2000 mg/kg body weight (Equivalent or similar to OECD 402, Rat, Male / female, Experimental value, Skin) |
| **decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate (11138-60-6)** | |
| LD50 oral rat | > 5000 mg/kg (Rat, Oral) |

Skin corrosion/irritation : Not classified

| **benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)** | |
|---|---|
| pH | 5.1 – 6.2 (1 %, 20 - 25 °C) |

Serious eye damage/irritation : Not classified

| **benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)** | |
|---|---|
| pH | 5.1 – 6.2 (1 %, 20 - 25 °C) |

Respiratory or skin sensitization : Not classified

| | | |
|---|---|---|
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified |
| Reproductive toxicity | : | Suspected of damaging fertility or the unborn child. |
| STOT-single exposure | : | Not classified |
| STOT-repeated exposure | : | Not classified |

| **benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)** | |
|---|---|
| NOAEL (oral,rat,90 days) | 25 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |

| | | |
|---|---|---|
| Aspiration hazard | : | Not classified |
| Viscosity, kinematic | : | No data available |

| **benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)** | |
|---|---|
| Viscosity, kinematic | 353 mm²/s (40 °C, OECD 114: Viscosity of Liquids) |

| **decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate (11138-60-6)** | |
|---|---|
| Viscosity, kinematic | 19.149 mm²/s |

## SECTION 12: Ecological information

### 12.1. Toxicity

| | | |
|---|---|---|
| Ecology - general | : | The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |

| **benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)** | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | 51 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| ErC50 algae | > 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration) |

### 12.2. Persistence and degradability

| **benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)** | |
|---|---|
| Persistence and degradability | Not readily biodegradable in water. |

| **decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate (11138-60-6)** | |
|---|---|
| Persistence and degradability | Not readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.018 g $O_2$/g substance |
| Chemical oxygen demand (COD) | 2.62 g $O_2$/g substance |

### 12.3. Bioaccumulative potential

| benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) | |
|---|---|
| BCF - Fish [1] | 1730 (42 day(s), Cyprinus carpio, Flow-through system, Fresh water, Read-across, GLP) |
| Partition coefficient n-octanol/water (Log Pow) | 6.66 (Experimental value, OECD 123: Partition Coefficient (1-Octanol/Water): Slow-Stirring Method, 23 °C) |
| Bioaccumulative potential | Potential for bioaccumulation (500 ≤ BCF ≤ 5000). |
| **decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate (11138-60-6)** | |
| Partition coefficient n-octanol/water (Log Pow) | > 3 (Estimated value) |

### 12.4. Mobility in soil

| benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) | |
|---|---|
| Mobility in soil | 60460 Source: EPISUITE |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.754 – 8.947 (log Koc, SRC PCKOCWIN v2.0, QSAR) |
| Ecology - soil | Adsorbs into the soil. |

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector’s sorting instructions.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|---|---|---|---|
| **14.1. UN number** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.2. Proper Shipping Name** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.3. Transport hazard class(es)** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.4. Packing group** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.5. Environmental hazards** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |

| DOT | TDG | IMDG | IATA |
|---|---|---|---|
| No supplementary information available | | | |

### 14.6. Special precautions for user

**DOT**

No data available

**TDG**

Excepted quantities (TDG) : E1

**IMDG**

No data available

**IATA**

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

**CANADA**

**benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)**

Listed on the Canadian DSL (Domestic Substances List)

**decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate (11138-60-6)**

Listed on the Canadian DSL (Domestic Substances List)

**EU-Regulations**

No additional information available

**National regulations**

**benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

**decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol octanoate (11138-60-6)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| **Full text of H-phrases** | |
|---|---|
| H361 | Suspected of damaging fertility or the unborn child |

Safety Data Sheet (SDS), USA

The information and recommendations contained herein are, to the best of JAX INC.'s knowledge and belief, accurate and reliable as of the date issued. JAX INC. makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and JAX INC. shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with JAX INC.'s interpretation of the available data.