

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Identification

Product form : Liquid
Product name : FG-1101-G, FG-1102-G, FG-550 Flywheel Grinding Coolant

1.2. Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Product Use : Industrial applications : Metalworking fluids. Professional Use Only

1.3. Details of the supplier of the safety data sheet

Distributed by: : Goodson Manufacturing Company

SECTION 2: Hazard(s) Identification

2.1. Classification Of The Substance Or Mixture

Classification (GHS-US) : Not classified
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 35.2%
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 safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

2.2. Label Elements

GHS-US labeling
Hazard pictograms (GHS-US) : Not applicable.
Signal word (GHS-US) : No signal word.
Hazard statements (GHS-US) : No known significant effects or critical hazards
Precautionary statements (GHS-US) :
Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.

2.3. Other Hazards

Hazards not otherwise classified : None known.

SECTION 3: Composition/Information on Ingredients

Substance/Mixture : Mixture.
Other Means of Identification : Not available.
CAS Numbers / Other Identifiers : Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no ingredients present which, within 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.
Occupation Exposure Limits : If available, listed in Section 8.

SECTION 4: First Aid Measures

4.1. 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. Get medical attention if irritation occurs.
- Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin Contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion : Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

- 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.

4.3. Over-Exposure Signs / Symptoms

- Eye Contact : No specific data.
- Inhalation : No specific data.
- Skin Contact : No specific data.
- Ingestion : No specific data.

4.4. Indication of Any Immediate Medical Attention and Special Treatment Needed

- 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 should be taken involving any personal risk or without suitable training.
- See Toxicological Information (Section 11)

SECTION 5: Firefighting Measures

5.1. Extinguishing Media

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

5.2. Specific Hazards Arising From the Chemical

- Hazards : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous Thermal Decomposition Products : No specific data.

5.3. Advice for Firefighters

- Firefighting instructions : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training.
- Protection Equipment for Firefighters : Firefighters 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

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

- For Non-Emergency Personnel : No action should 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. 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 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).

6.2. Methods and Material For Containment 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, 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 course, basements or confined areas. Wash spillage 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.

6.4. Reference to other sections

- Section 1 : Emergency contact information.
- Section 13 : Waste disposal information.

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling

- Protective Measures : Put on appropriate personal protective equipment (see Section 8).
- Hygiene measures : 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. Also see Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Do not store below the following temperature: 0°C/32°F. 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.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

- Occupational Exposure Limits : None.
- 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, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

8.2. Individual Protection Measures

- Hygiene Measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, 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 reuse. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/Face Protection : Safety eye wear 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, safety glasses with side shields should be used unless the assessment indicates that a higher degree of protection is necessary.
- 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.
- 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.
- Respiratory Protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9: Physical and Chemical Properties

9.1. Information On Basic Physical and Chemical Properties

- Physical state : Liquid (clear to slightly hazy)
- Color : Blue
- Odor : Mild. Chemical
- Odor threshold : No data available
- pH : 9.2 to 10.2
- Melting point : No data available
- Boiling point : 100°C (212°F)
- Flash point : Closed Cup: Not applicable
- Evaporation Rate : No data available
- Flammability (solid, gas) : Non-flammable in the presence of the following materials or conditions: open flames, sparks, static discharge and heat.
- Explosion Limits : No data available
- Vapor Pressure : No data available
- Vapor Density : No data available

Relative density	: 1.06 to 1.09 g/cm ³
Solubility	: Easily soluble in the following materials : cold water.
Partition Coefficient: n-octanol/water	: No data available
Auto-ignition Temperature	: No data available
Decomposition Ttemperature	: No data available
Viscosity	: No data available
VOC	: 39.8 g/L
VOC Method	: ASTM E 1868

SECTION 10: Stability and Reactivity

Reactivity	: No specific test data related to reactivity is available for this product or its ingredients.
Chemical Stability	: The product is stable.
Possibility of Hazardous Reactions	: Under normal storage and use conditions, hazardous reactions will not occur.
Conditions to Avoid	: No specific data.
Incompatible Materials	: No specific data.
Hazardous Decomposition Products	: Under normal storage and use conditions, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Conclusions / Summary	: No known significant effects or critical hazards.
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11.2. Irritation / Corrosion

Skin	: No known significant effects or critical hazards.
Eyes	: No known significant effects or critical hazards.
Respiratory	: Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation.

11.3. Sensitization

Skin	: No specific information is available in our database regarding the skin sensitizing properties of this product. Sensitization is not suspected for humans.
Respiratory	: Sensitization is not suspected for humans.

11.4 Mutagenicity

Conclusions / Summary	: There are no data available on the mixture itself. Mutagenicity is not suspected for humans.
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11.5. Carcinogenicity

Conclusions / Summary	: There is no data available on the mixture itself. Carcinogenicity is not suspected for humans.
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11.6. Reproductive Toxicity

Conclusions / Summary	: There are no data available on the mixture itself. Not considered to be dangerous to humans, according to our database.
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11.7. Teratogenicity

Conclusions / Summary	: There are no data available on the mixture itself. Not considered to be dangerous to humans, according to our database.
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11.8. Other Information

STOT - Single Exposure	: Not available.
STOT - Repeated Exposure	: Not available.
Aspiration Hazard	: Not available.

11.9. Information on The Likely Routes of Exposure : Oral, Dermal, Inhalation

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.

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 from Short- and Long-Term Exposure

Short Term Exposure : No immediate effects anticipated.
: No delayed effects anticipated.
Long Term Exposure : No immediate effects anticipated.
: No delayed effects anticipated.

Chronic Effects from Short- and Long-Term Exposure

Conclusions / Summary : No known significant effects or critical hazards.
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.

Numeric Measures of Toxicity

Acute Toxicity Estimates : Not available.

SECTION 12: Ecological information

12.1. Toxicity

Conclusions / Summary : There are no data available on the mixture itself.

12.2. Persistence and Degradability

Conclusions / Summary : This product has not been tested for biodegradation. Expected to be rapidly degradable. This product is not expected to bioaccumulate through food chains in the environment.

12.3. Bioaccumulative potential

Conclusions / Summary : This product is not expected to bioaccumulate through food chains in the environment.

12.4. Mobility in soil

Soil/Water Partition Coefficient (Koc) : Not available.

12.5. Other adverse effects

Conclusions / Summary : 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 dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

DOT : Not Regulated.
TDG : Not Regulated.
MEX : Not Regulated.
ADR/RID : Not Regulated.
IMDG : Not Regulated.
IATA : Not Regulated.
Environmental Hazards : No.
Special Precautions for User : Always transport within user premises 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 Annex II or MARPOL 73/78 and the IBC Code : Not available.

SECTION 15: Regulatory information

15.1. US Federal regulations

TSCA 4(a) Proposed Test Rule : Sodium 4 (or 5)-Methyl - 1H-Benzotriazolide.
TSCA 8(a) PAIR : Siloxanes and Silicones, di-ME; Siloxanes and Silicones, di-Me, reaction products with silica.
TSCA 8(a) CDR/
Exempt/Partial Exemption : Not determined.
United States Inventory (TSCA 8b) : All components are listed or exempted.
Clean Water Act (CWA) 307 : Benzene
Clean Water Act (CWA) 311 : Benzene
Clean Air Act
112(b) Hazardous Air Pollutants : Not listed.
602 Class I Substances : Not listed.
602 Class II Substances : Not listed.
DEA List I Chemicals (Precursor) : Not listed.
DEA List II Chemicals (Essential) : Not listed.
SARA 302/304
Composition/Information on Ingredients: No products were found.
SARA 304 RQ : Not applicable.
SARA 311/312
Classification : Not applicable
Composition/Information on Ingredients: No products were found.

SARA 313

Form R - Reporting Requirements : No listed substances.

Supplier Notification : No listed substances.

15.2. US State Regulations

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.

Connecticut Carcinogen Reporting : None of the components are listed.

Connecticut Hazardous Material Survey : None of the components are listed.

Florida Substances : None of the components are listed.

Illinois Chemical Safety Act : None of the components are listed.

Illinois Toxic Substances Disclosure to Employee Act : None of the components are listed.

Louisiana Reporting : None of the components are listed.

Louisiana Spill : None of the components are listed.

Massachusetts Spill : None of the components are listed.

Massachusetts Substances : None of the components are listed.

Michigan Critical Material : None of the components are listed.

Minnesota Hazardous Substances : None of the components are listed.

New Jersey Spill : None of the components are listed.

New Jersey Toxic Catastrophe Prevention Act : None of the components are listed.

New Jersey Hazardous Substances : None of the components are listed.

New York Acutely Hazardous Substances : None of the components are listed.

New York Toxic Chemical Release Reporting : None of the components are listed.

Pennsylvania RTK Hazardous Substances : None of the components are listed.

Rhode Island Hazardous Substances : None of the components are listed.

California Prop. 65

WARNING: This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

WARNING: This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient	Cancer	Reproductive	No Significant Risk Level	Maximum Acceptable Dosage Level
Benzene	Yes	Yes	64 µg/day (ingestion) 13 µg/day (inhalation)	24 µg/day (ingestion) 49 µg/day (inhalation)

15.3. International regulations

Chemical Weapon Convention List

Schedules I, II, III Chemicals : Not Listed.

Montreal Protocol (Annexes A, B, C, E) : Not Listed.

International Lists / National Inventories

Australia : Not determined

China : All components are listed or exempted.

Europe : All components are listed or exempted.

Japan : At least one component is not listed.

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 : All components are listed or exempted.

Canada

WHMIS (Canada) : Not controlled under WHMIS (Canada)
 Canadian Lists
 Canadian NPRI : None of the components are listed.
 CEPA Toxic Substances : None of the components are listed.
 Canada Inventory; DSL/NDSL : All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

SECTION 16: Other information

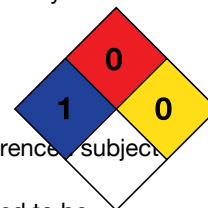
Hazardous Material Information System (HMIS®)

Health : 1
 Flammability : 0
 Physical Hazards : 0

Caution: HMIS® ratings are based on a 0-4 scale with 0 representing minimal hazards or risks and 4 representing significant hazards of risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them.

National Fire Protection Association (NFPA)

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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 system to classify chemicals does so at their own risk.

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Key to Abbreviations : ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labeling of Chemicals
 IATA = International Air Transportation Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goodson
 LowPog = Logarithm of the Octanol/Water partition coefficient
 MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol"=marine pollution)
 STOT = Specific Target Organ Toxicity
 UN = United Nations

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.

End of Safety Data Sheet