# SAFETY DATA SHEET

## 1. Identification

**Product identifier** 5W-30 GF-5/SN

**Other means of identification** **None.**

**Recommended use** **Engine oil**

**Recommended restrictions** **None known.**

**Manufacturer/Importer/Supplier/Distributor information Manufacturer**

**Company name** **GROWMARK INC.**

**Address** **2200 South Avenue**
**Council Bluffs, IA 51503**
**United States**

**Telephone** **General Assistance** **800-798-6457**

**E-mail** **Not available.**

**Emergency phone number** CHEMTREC 800-424-9300

## 2. Hazard(s) identification

**Physical hazards** **Not classified.**

**Health hazards** **Not classified.**

**Environmental hazards** **Not classified.**

**OSHA defined hazards** **Not classified.**

**Label elements**

**Hazard symbol** None.

**Signal word** **None.**

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statement**

**Prevention** Observe **good industrial hygiene practices.**

**Response** **Wash hands** after handling.

**Storage** **Store away** from incompatible materials.

**Disposal** **Dispose of waste and residues in accordance with local** authority **requirements.**

**Hazard(s) not otherwise classified (HNOC)** **None known.**

**Supplemental information** **None.**

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Lubricating Oils (petroleum), Hydrotreated Spent | | 64742-58-1 | **80.27** |
| Lubricating Oils (petroleum), C20-50, Hydrotreated **Neutral Oil-based** | | 72623-87-1 | **10** |
| Other components below reportable levels | | | 9.73 |

*Designates that **a** specific chemical identity and/or percentage of composition has been withheld as **a trade secret.**

## 4. First-aid measures

**Inhalation** **Move** to fresh air. Call **a** physician if symptoms develop or persist.

**Skin contact** **Wash** off **with soap and water. Get medical** attention **if** irritation **develops and persists.**

**Eye contact** **Rinse with water. Get medical** attention if irritation **develops and persists.**

| | |
|---|---|
| **Ingestion** | Rinse mouth. Get medical attention if symptoms occur. |
| **Most important symptoms/effects, acute and delayed** | Direct contact with eyes may cause temporary irritation. |
| **Indication of immediate medical attention and special treatment needed** | Treat symptomatically. |
| **General information** | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

## 5. Fire-fighting measures

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|---|---|
| **Suitable extinguishing media** | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). |
| **Unsuitable extinguishing media** | Do not use water jet as an extinguisher, as this will spread the fire. |
| **Specific hazards arising from the chemical** | During fire, gases hazardous to health may be formed. |
| **Special protective equipment and precautions for firefighters** | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Fire fighting equipment/instructions** | Move containers from fire area if you can do so without risk. |
| **Specific methods** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **General fire hazards** | No unusual fire or explosion hazards noted. |

## 6. Accidental release measures

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|---|---|
| **Personal precautions, protective equipment and emergency procedures** | Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. |
| **Methods and materials for containment and cleaning up** | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. |
| **Environmental precautions** | |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Avoid prolonged exposure. Observe good industrial hygiene practices. |
| **Conditions for safe storage, including any incompatibilities** | Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). |

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| Lubricating Oils (petroleum), C20-50, Hydrotreated Neutral Oil-based (CAS 72623-87-1) | TWA | 5 mg/m3 | Inhalable fraction. |
| Lubricating Oils (petroleum), Hydrotreated Spent (CAS 64742-58-1) | TWA | 5 mg/m3 | Inhalable fraction. |

| | |
|---|---|
| **Biological limit values** | No biological exposure limits noted for the ingredient(s). |
| **Appropriate engineering controls** | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **Eye/face protection** | **If** contact **is likely,** safety **glasses with side shields are recommended.** |
| **Skin protection** | |
| **Hand protection** | For **prolonged or repeated skin contact use suitable** protective **gloves.** |
| **Other** | Wear suitable protective clothing. |
| **Respiratory protection** | **In case** of insufficient ventilation, wear suitable respiratory equipment. |
| **Thermal hazards** | Wear appropriate thermal protective **clothing, when necessary.** |
| **General hygiene considerations** | **Always observe good personal hygiene measures, such as washing** after **handling** the **material and before eating, drinking, and/or smoking. Routinely wash work clothing and** protective equipment to remove **contaminants.** |

## 9. Physical and chemical properties

| | |
|---|---|
| **Appearance** | |
| **Physical state** | **Liquid.** |
| **Form** | **Liquid.** |
| **Color** | **Not available.** |
| **Odor** | **Not available.** |
| **Odor threshold** | **Not available.** |
| **pH** | **Not available.** |
| **Melting point/freezing point** | **Not available.** |
| **Initial boiling point and boiling range** | **Not available.** |
| **Flash point** | **Not available.** |
| **Evaporation rate** | **Not available.** |
| **Flammability (solid, gas)** | **Not applicable.** |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | **Not available.** |
| **Flammability limit - upper (%)** | **Not available.** |
| **Explosive limit - lower (%)** | Not available. |
| **Explosive limit - upper (%)** | **Not available.** |
| **Vapor pressure** | **Not available.** |
| **Vapor density** | **Not available.** |
| **Relative density** | **Not available.** |
| **Solubility(ies)** | |
| **Solubility (water)** | **Not available.** |
| **Partition coefficient (n-octanol/water)** | **Not available.** |
| **Auto-ignition temperature** | **Not available.** |
| **Decomposition temperature** | **Not available.** |
| **Viscosity** | **Not available.** |
| **Other information** | |
| **Explosive properties** | **Not explosive.** |
| **Oxidizing properties** | **Not oxidizing.** |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | **The product is stable and non-reactive under normal conditions of use, storage and** transport. |
| **Chemical stability** | **Material is stable under normal conditions.** |
| **Possibility of hazardous reactions** | **No dangerous reaction known under conditions of normal use.** |
| **Conditions to avoid** | Contact **with incompatible materials.** |
| **Incompatible materials** | **Strong oxidizing agents.** |

| | |
|---|---|
| **Hazardous decomposition products** | **No hazardous decomposition products are known.** |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | **Prolonged inhalation may be** harmful. |
| **Skin contact** | **No adverse** effects **due to skin contact are expected.** |
| **Eye contact** | **Direct contact with eyes may cause** temporary irritation. |
| **Ingestion** | **Expected to be a low ingestion hazard.** |
| **Symptoms related to the physical, chemical and toxicological characteristics** | **Direct contact with eyes may cause** temporary irritation. |

**Information on toxicological effects**

**Acute toxicity**

| Components | Species | Test Results |
|---|---|---|
| **Lubricating Oils (petroleum), C20-50,** Hydrotreated **Neutral Oil-based (CAS 72623-87-1)** | | |
| **Acute** | | |
| **Dermal** | | |
| **LD50** | **Rabbit** | **> 2000 mg/kg** |
| **Inhalation** | | |
| **LC50** | **Rat** | **> 5530 mg/l** |
| **Oral** | | |
| **LD50** | **Rat** | **> 5000 mg/kg** |

***** Estimates for product **may be based on additional component data not shown.**

| | |
|---|---|
| **Skin corrosion/irritation** | **Prolonged skin contact may cause** temporary irritation. |
| **Serious eye damage/eye irritation** | Direct contact with eyes **may cause** temporary irritation. |

**Respiratory or skin sensitization**

| | |
|---|---|
| **Respiratory sensitization** | Not **a** respiratory **sensitizer.** |
| **Skin sensitization** | **This product is not expected to cause skin sensitization.** |
| **Germ cell mutagenicity** | **No data available to indicate product or any components present at** greater than **0.1% are** mutagenic **or genotoxic.** |

**Carcinogenicity**

**IARC Monographs. Overall Evaluation of Carcinogenicity**

**Not available.**

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

**Not listed.**

**US. National Toxicology Program (NTP) Report on Carcinogens**

**Not available.**

| | |
|---|---|
| **Reproductive toxicity** | **This product is not expected to cause** reproductive **or** developmental effects. |
| **Specific target organ toxicity - single exposure** | **Not classified.** |
| **Specific target organ toxicity - repeated exposure** | **Not classified.** |
| **Aspiration hazard** | **Not an aspiration hazard.** |
| **Chronic effects** | **Prolonged inhalation may be** harmful. |
| **Further information** | **This product has no known adverse** effect **on human** health. |

## 12. Ecological information

| | |
|---|---|
| **Ecotoxicity** | **The product is not classified as** environmentally **hazardous.** However, this **does not exclude** the possibility that **large or frequent spills can have a** harmful **or damaging** effect **on** the **environment.** |
| **Persistence and degradability** | **No data is available on** the degradability **of this product.** |
| **Bioaccumulative potential** | **No data available.** |

| | |
|---|---|
| **Mobility in soil** | **No data available.** |
| **Other adverse effects** | **No** other **adverse** environmental effects **(e.g. ozone depletion,** photochemical **ozone creation potential, endocrine disruption, global warming potential) are expected from this component.** |

## 13. Disposal considerations

| | |
|---|---|
| **Disposal instructions** | **Collect and reclaim or dispose in sealed containers at licensed waste disposal site.** |
| **Local disposal regulations** | **Dispose in accordance with all applicable regulations.** |
| **Hazardous waste code** | **The waste code should be assigned in discussion between** the **user,** the **producer and** the **waste disposal company.** |
| **Waste from residues / unused products** | **Dispose of in accordance with local regulations.** Empty **containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal** instructions). |
| **Contaminated packaging** | **Since emptied containers may retain product residue, follow label warnings even** after container **is emptied.** Empty **containers should be** taken **to an approved waste handling site** for **recycling or disposal.** |

## 14. Transport information

**DOT**

**Not regulated as dangerous goods.**

**IATA**

**Not regulated as dangerous goods.**

**IMDG**

**Not regulated as dangerous goods.**

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

Not established.

## 15. Regulatory information

**US federal regulations**

**This product is not known to be a "Hazardous Chemical" as defined** by the OSHA Hazard Communication Standard, **29** CFR **1910.1200.**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

**Not regulated.**

**CERCLA Hazardous Substance List (40 CFR 302.4)**

**Not listed.**

**SARA 304 Emergency release notification**

**Not regulated.**

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

**Not listed.**

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

**Immediate Hazard - No**
Delayed Hazard **- No**
Fire Hazard **- No**
**Pressure** Hazard **- No**
Reactivity Hazard **- No**

**SARA 302 Extremely hazardous substance**

**Not listed.**

**SARA 311/312 Hazardous chemical**

No

**SARA 313 (TRI reporting)**

**Not regulated.**

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

**Not regulated.**

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

**Not regulated.**

**Safe Drinking Water Act (SDWA)**

**Not regulated.**

**US state regulations**

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Lubricating Oils (petroleum), C20-50, Hydrotreated Neutral Oil-based (CAS 72623-87-1)
Lubricating Oils (petroleum), Hydrotreated Spent (CAS 64742-58-1)

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory | | No |

*A 'Yes' indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A 'No' indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

| | |
|---|---|
| **Issue date** | 05-14-2015 |
| **Revision date** | 10-19-2015 |
| Version # | 02 |
| **Disclaimer** | GROWMARK INC. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. |
| **Revision information** | Hazard(s) identification: Hazard statement<br>Hazard(s) identification: Disposal<br>Hazard(s) identification: Prevention<br>Hazard(s) identification: Response<br>Hazard(s) identification: Storage<br>First-aid measures: Indication of immediate medical attention and special treatment needed<br>Physical and chemical properties: Oxidizing properties<br>Physical and chemical properties: Explosive properties<br>Toxicological information: Further information<br>Ecological information: Persistence / degradability<br>Regulatory information: US federal regulations<br>Other information, including date of preparation or last revision: Further information<br>GHS: Classification |