

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** FS HD Gear Synthetic 75W90  
**Other means of identification** None.  
**Recommended use** Gear 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** Skin corrosion/irritation Category 2  
Aspiration hazard Category 1  
**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Danger  
**Hazard statement** May be fatal if swallowed and enters airways. Causes skin irritation.

### Precautionary statement

**Prevention** Wash thoroughly after handling. Wear protective gloves.

**Response** If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Storage** Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

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

**Supplemental information** 29.33% of the mixture consists of component(s) of unknown acute oral toxicity. 29.33% of the mixture consists of component(s) of unknown acute dermal toxicity. 29.33% of the mixture consists of component(s) of unknown acute inhalation toxicity.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                                                        | Common name and synonyms | CAS number   | %     |
|----------------------------------------------------------------------|--------------------------|--------------|-------|
| Lubricating Oils (petroleum), C20-50, Hydrotreated Neutral Oil-based |                          | 72623-87-1   | 63.49 |
| Vinyl polymer                                                        |                          | Trade Secret | 19.82 |

| Chemical name                                                                 | Common name and synonyms | CAS number | %         |
|-------------------------------------------------------------------------------|--------------------------|------------|-----------|
| LUBRICATING OILS<br>(PETROLEUM), C15-30,<br>HYDROTREATED NEUTRAL<br>OIL-BASED |                          | 72623-86-0 | < 0.3     |
| Other components below reportable levels                                      |                          |            | 10 - < 20 |

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

#### 4. First-aid measures

|                                                                               |                                                                                                                                                                                   |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Move to fresh air. Call a physician if symptoms develop or persist.                                                                                                               |
| <b>Skin contact</b>                                                           | Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.               |
| <b>Eye contact</b>                                                            | Rinse with water. Get medical attention if irritation develops and persists.                                                                                                      |
| <b>Ingestion</b>                                                              | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain.                                                                                |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.                                                            |
| <b>General information</b>                                                    | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.                                                                  |

#### 5. Fire-fighting measures

|                                                                      |                                                                                               |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                      |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.                                         |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>                                          | No unusual fire or explosion hazards noted.                                                   |

#### 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.                                                                     |
| <b>Methods and materials for containment and cleaning up</b>               | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. 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. |
| <b>Environmental precautions</b>                                           | Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                                                                                                                                                 |

#### 7. Handling and storage

|                                                                     |                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. 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

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. ACGIH Threshold Limit Values

| Components                                                                            | Type | Value   | Form                |
|---------------------------------------------------------------------------------------|------|---------|---------------------|
| LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL OIL-BASED (CAS 72623-86-0) | TWA  | 5 mg/m3 | Inhalable fraction. |
| Lubricating Oils (petroleum), C20-50, Hydrotreated Neutral Oil-based (CAS 72623-87-1) | 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. Eye wash fountain and emergency showers are recommended.

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

**Eye/face protection** Face shield is recommended. Wear safety glasses with side shields (or goggles).

#### Skin protection

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**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 | Causes skin irritation.                                                                                                |
| Eye contact  | Direct contact with eyes may cause temporary irritation.                                                               |
| Ingestion    | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |

Symptoms related to the physical, chemical and toxicological characteristics      Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain.

### Information on toxicological effects

Acute toxicity      May be fatal if swallowed and enters airways.

| Components                                                                                   | Species | Test Results |
|----------------------------------------------------------------------------------------------|---------|--------------|
| <b>Lubricating Oils (petroleum), C20-50, Hydrotreated Neutral Oil-based (CAS 72623-87-1)</b> |         |              |
| <b><u>Acute</u></b>                                                                          |         |              |
| Dermal LD50                                                                                  | Rabbit  | > 2000 mg/kg |

Skin corrosion/irritation      Causes skin irritation.  
 Serious eye damage/eye irritation. irritation      Direct contact with eyes may cause temporary

### 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      Not classifiable as to carcinogenicity to humans.

### IARC Monographs. Overall Evaluation of Carcinogenicity

LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL OIL-BASED (CAS 72623-86-0)      3 Not classifiable as to carcinogenicity to humans.

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

3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not regulated.

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

Not listed.

|                                                           |                                                                              |
|-----------------------------------------------------------|------------------------------------------------------------------------------|
| <b>Reproductive toxicity</b>                              | This product is not expected to cause reproductive or developmental effects. |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.                                                              |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.                                                              |
| <b>Aspiration hazard</b>                                  | May be fatal if swallowed and enters airways.                                |
| <b>Chronic effects</b>                                    | Prolonged inhalation may be harmful.                                         |

**12. Ecological information**

|                                      |                                                                                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>                   | 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. |
| <b>Persistence and degradability</b> | No data is available on the degradability of any ingredients in the mixture.                                                                                                                       |
| <b>Bioaccumulative potential</b>     | No data available.                                                                                                                                                                                 |
| <b>Mobility in soil</b>              | No data available.                                                                                                                                                                                 |
| <b>Other adverse effects</b>         | 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**

|                                              |                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.                         |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                           |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                   |
| <b>Waste from residues / unused products</b> | 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). |
| <b>Contaminated packaging</b>                | 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**

|                                                                                 |                                   |
|---------------------------------------------------------------------------------|-----------------------------------|
| <b>DOT</b>                                                                      | Not regulated as dangerous goods. |
| <b>IATA</b>                                                                     | Not regulated as dangerous goods. |
| <b>IMDG</b>                                                                     | Not regulated as dangerous goods. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not established.                  |

**15. Regulatory information**

|                                                                       |                                                                                                                |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>US federal regulations</b>                                         | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |
| <b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>  | Not regulated.                                                                                                 |
| <b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>                 | Not listed.                                                                                                    |
| <b>SARA 304 Emergency release notification</b>                        | Not regulated.                                                                                                 |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b> | Not regulated.                                                                                                 |

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

### SARA 302 Extremely hazardous substance

Not listed.

### SARA 311/312 Hazardous chemical

|                                     |                                                                                             |
|-------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Classified hazard categories</b> | Acute toxicity (any route of exposure)<br>Skin corrosion or irritation<br>Aspiration hazard |
|-------------------------------------|---------------------------------------------------------------------------------------------|

### 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.

|                                       |                |
|---------------------------------------|----------------|
| <b>Safe Drinking Water Act (SDWA)</b> | Not regulated. |
|---------------------------------------|----------------|

## US state regulations

### California Proposition 65



**WARNING:** California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL OIL-BASED (CAS 72623-86-0)  
Lubricating Oils (petroleum), C20-50, Hydrotreated Neutral Oil-based (CAS 72623-87-1)

## 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                     |
| Taiwan                      | Taiwan Toxic Chemical Substances (TCS)                                 | 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** 05-20-2015

**Revision date** 12-27-2017

**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** This document has undergone significant changes and should be reviewed in its entirety.