SAFETY DATA SHEET

Issuing Date 15-Oct-2019  Revision Date 15-Oct-2019  Revision Number 1

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1. IDENTIFICATION

Product identifier

Product Name Dynagard Blue

Other means of identification

(M)SDS Number 1495951

Recommended use of the chemical and restrictions on use

Recommended Use For industrial use only

Uses advised against No information available

Details of the supplier of the safety data sheet

Details of the supplier of the safety data sheet

Supplier Identification The Kirkpatrick Group, Inc.

Address Palisades Central II
2435 N. Central Expwy Suite 1150
Richardson, TX 75080

Telephone TKG TEL: 1-972-509-2468 Toll Free: (800) 466-4414

E-mail TKG-Sales@TheKirkpatrickGroup.com

Blended under contract for Kirkpatrick Wire Rope Lubrication Systems, Dallas, Texas USA By:

Manufacturer Identification Whitmore & Jet-Lube (a CSW Industrials company).

Address 930 Whitmore Dr.
Rockwall, TX 75087

Telephone TKG TEL: 1-972-771-1000 Toll Free: (800) 538-5823

Emergency telephone number

Company Emergency Phone Number 1-800-699-6318

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION
Classification
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

Appearance  Blue  Physical state  Solid Gel Consistency  Odor  Petroleum

GHS Label elements, including precautionary statements
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

Precautionary Statements - Prevention
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance
Not applicable.

Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight-%</th>
<th>Hazardous Material Information Review Act registry number (HMIRA registry #)</th>
<th>Date HMIRA filed and date exemption granted (if applicable)</th>
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</thead>
<tbody>
<tr>
<td>Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc.</td>
<td>74869-21-9</td>
<td>&gt;75%</td>
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<tr>
<td>Organo clay</td>
<td>68953-58-2</td>
<td>5-10</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>5-10</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Calcium Sulfonate</td>
<td>61789-86-4</td>
<td>2-3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Polyisobutylene</td>
<td>9003-29-6</td>
<td>5-10</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Blue pigment</td>
<td>Mixture</td>
<td>&lt;1</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures
General advice  Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.
Inhalation
Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact
Wash skin with soap and water.

Ingestion
Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Self-protection of the first aider
Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists. Use personal protective equipment as required. See section 8 for more information. Avoid breathing dust/fume/gas/mist/vapors/spray.

Most important symptoms and effects, both acute and delayed
Symptoms
Coughing and/ or wheezing. Difficulty in breathing.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Note to physicians

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
No information available.

Hazardous Combustion Products
Carbon oxides.

Explosion Data
Sensitivity to Mechanical Impact
None.

Sensitivity to Static Discharge
None.

Special protective equipment for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Ensure adequate ventilation. Avoid breathing vapors or mists. Use personal protective equipment as required. Avoid generation of dust. Do not breathe dust.

Other Information
Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions
See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up
Methods for containment: Prevent further leakage or spillage if safe to do so.
Methods for cleaning up: Pick up and transfer to properly labeled containers.
Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Other Exposure Guidelines: See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls: Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection: No special protective equipment required.
Hand protection: Wear suitable gloves.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations: Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid breathing dust/fume/gas/mist/vapors/spray. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state: Solid Gel Consistency
Appearance: Blue
Odor: Petroleum
Color: No information available
Odor Threshold: No data available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
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<tbody>
<tr>
<td>pH</td>
<td>Neutral</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Melting / freezing point</td>
<td>&gt;232°C</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>&gt;260°C</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;232°C</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Nil</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
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<td>None known</td>
<td></td>
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<tr>
<td>Flammability Limit in Air</td>
<td>0.951</td>
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<tr>
<td>Upper flammability limit</td>
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<tr>
<td>Lower flammability limit</td>
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<td></td>
</tr>
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<td>None known</td>
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<tr>
<td>Vapor density</td>
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<tr>
<td>Relative density</td>
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<tr>
<td>Water Solubility</td>
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<tr>
<td>Solubility(ies)</td>
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<td>Partition coefficient: n-octanol/water</td>
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<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
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<td>Decomposition temperature</td>
<td>No data available</td>
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<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
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<td>Dynamic viscosity</td>
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<tr>
<td>Explosive properties</td>
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<td>Oxidizing properties</td>
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<td>Softening Point</td>
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<tr>
<td>Molecular Weight</td>
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<tr>
<td>VOC Content (%)</td>
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<tr>
<td>Liquid Density</td>
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<tr>
<td>Bulk Density</td>
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</tr>
<tr>
<td>Particle Size</td>
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</tr>
<tr>
<td>Particle Size Distribution</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity: No information available.

Chemical stability: Stable under normal conditions.

Possibility of Hazardous Reactions: None under normal processing.

Hazardous Polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Excessive heat.

Incompatible materials: None known based on information supplied.

Hazardous Decomposition Products: Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
Product Information

Inhalation
Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).

Eye contact
Specific test data for the substance or mixture is not available.

Skin contact
Specific test data for the substance or mixture is not available.

Ingestion
Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components).

Information on toxicological effects

Symptoms
Coughing and/or wheezing.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

- ATEmix (oral) 1,985.70 mg/kg
- ATEmix (dermal) 9,495.50 mg/kg
- ATEmix (inhalation-dust/mist) 3.10 mg/L

Unknown acute toxicity

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. May contain organic salts of alkali metals, alkaline earth metals, etc.</td>
<td>2280 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation
No information available.

Serious eye damage/eye irritation
No information available.

Respiratory or skin sensitization
No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Legend

Reproductive toxicity
No information available.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Aspiration hazard
No information available.

12. ECOLOGICAL INFORMATION
Ecotoxicity

The environmental impact of this product has not been fully investigated.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricating greases</td>
<td>&gt;1001 mg/l</td>
<td>96h LC50: &gt; 2000 mg/L (Salmo gairdneri)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Persistence and Degradaibility

No information available.

Bioaccumulation

Component Information

Mobility

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name

NOT REGULATED

Hazard Class

NON-REGULATED

N/A

TDG

Not regulated

MEX

NOT REGULATED

ICAO

NOT REGULATED

IATA

Proper Shipping Name

Not regulated

Not regulated

IMDG

Not regulated

RID

NOT REGULATED
ADR       NOT REGULATED
ADN       NOT REGULATED

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

TSCA       Complies.
DSL/NDSL   Complies.
EINECS/ELINCS Contact supplier for inventory compliance status.
ENCS       Contact supplier for inventory compliance status.
KECL       Contact supplier for inventory compliance status.
PICCS      Contact supplier for inventory compliance status.
AICS       Contact supplier for inventory compliance status.

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Acute Health Hazard No
Chronic Health Hazard No
Fire Hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material
**US State Regulations**

**California Proposition 65**
This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**
This product may contain substances regulated by state right-to-know regulations.

### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>1</td>
<td>0</td>
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<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal Protection</th>
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<tbody>
<tr>
<td></td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>X</td>
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</table>

* = Chronic Health Hazard

Prepared By: Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

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Revision Date: 15-Oct-2019

Revision Note: No information available

**Disclaimer**
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End of Safety Data Sheet