



SAFETY DATA SHEET

1. Identification

| | |
|---|--|
| Product identifier | BG Hi-L0W30 (SAE 0W-30) |
| Other means of identification | |
| SDS number | 730 |
| Product code | 730, 7301, 73016, 7301CC, 73020, 730270, 73032, 7305, 730B, P730 |
| Recommended use | Engine lubricant service |
| Recommended restrictions | None known. |
| Manufacturer/Importer/Supplier/Distributor information | |
| Manufacturer | |
| Company name | BG Products, Inc. |
| Address | 740 S. Wichita St. Wichita, KS 67213 United States |
| Telephone | Not available. |
| Website | www.bgprod.com |
| E-mail | msds@bgprod.com |
| Contact person | Product Stewardship |
| Emergency phone number | (800) 424-9300 (CHEMTREC) |

2. Hazard(s) identification

| | | |
|------------------------------|---------------------|------------|
| Physical hazards | Not classified. | |
| Health hazards | Sensitization, skin | Category 1 |
| Environmental hazards | Not classified. | |
| OSHA defined hazards | Not classified. | |

Label elements



| | |
|--|--|
| Signal word | Warning |
| Hazard statement | May cause an allergic skin reaction. |
| Precautionary statement | |
| Prevention | Avoid breathing mist/vapors. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. |
| Response | If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| Storage | Store away from incompatible materials. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | 18.5% of the mixture consists of component(s) of unknown acute oral toxicity. 18.5% of the mixture consists of component(s) of unknown acute dermal toxicity. 94.95% of the mixture consists of component(s) of unknown acute inhalation toxicity. 94.95% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 94.95% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment. |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|---|--------------------------|-------------|-----------|
| HYDROTREATED HEAVY PARAFINIC DISTILLATES | | 64742-54-7 | 70 - 80 |
| HYDROTREATED LIGHT PARAFINIC DISTILLATE | | 64742-55-8 | 3 - 5 |
| Highly Refined Mineral Oil | | 64742-70-7 | ≤ 1 |
| MINERAL OIL | | 64742-65-0 | ≤ 1 |
| Petroleum distillates, solvent dewaxed light paraffinic | | 64742-56-9 | ≤ 1 |
| DIPHENYL AMINE | | 122-39-4 | ≤ 0.1 |
| Petroleum Distillates | | 246538-78-3 | < 0.1 |
| Ethyl acrylate | | 140-88-5 | < 0.1 |
| Other components below reportable levels | | | 17 - < 18 |

4. First-aid measures

| | |
|---|--|
| Inhalation | Move to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. |
| 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 | May cause an allergic skin reaction. Dermatitis. Rash. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| General information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. |

5. Fire-fighting measures

| | |
|--|---|
| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| 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

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. 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. |
| 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. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| Environmental precautions | 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. |

7. Handling and storage

Precautions for safe handling

Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in 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. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|--|------|------------------------|-------|
| Ethyl acrylate (CAS 140-88-5) | PEL | 100 mg/m ³ | |
| | | 25 ppm | |
| Highly Refined Mineral Oil (CAS 64742-70-7) | PEL | 5 mg/m ³ | Mist. |
| HYDROTREATED HEAVY PARAFINIC DISTILLATES (CAS 64742-54-7) | PEL | 5 mg/m ³ | Mist. |
| HYDROTREATED LIGHT PARAFINIC DISTILLATE (CAS 64742-55-8) | PEL | 5 mg/m ³ | Mist. |
| MINERAL OIL (CAS 64742-65-0) | PEL | 5 mg/m ³ | Mist. |
| | | 2000 mg/m ³ | |
| | | 500 ppm | |
| Petroleum Distillates (CAS 246538-78-3) | PEL | 400 mg/m ³ | |
| | | 100 ppm | |
| Petroleum distillates, solvent dewaxed light paraffinic (CAS 64742-56-9) | PEL | 5 mg/m ³ | Mist. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|--|------|----------------------|---------------------|
| DIPHENYL AMINE (CAS 122-39-4) | TWA | 10 mg/m ³ | |
| Ethyl acrylate (CAS 140-88-5) | STEL | 15 ppm | |
| | TWA | 5 ppm | |
| Highly Refined Mineral Oil (CAS 64742-70-7) | TWA | 5 mg/m ³ | Inhalable fraction. |
| HYDROTREATED HEAVY PARAFINIC DISTILLATES (CAS 64742-54-7) | TWA | 5 mg/m ³ | Inhalable fraction. |
| HYDROTREATED LIGHT PARAFINIC DISTILLATE (CAS 64742-55-8) | TWA | 5 mg/m ³ | Inhalable fraction. |
| MINERAL OIL (CAS 64742-65-0) | TWA | 5 mg/m ³ | Inhalable fraction. |
| Petroleum distillates, solvent dewaxed light paraffinic (CAS 64742-56-9) | TWA | 5 mg/m ³ | Inhalable fraction. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|-------------------------------|------|----------------------|------|
| DIPHENYL AMINE (CAS 122-39-4) | TWA | 10 mg/m ³ | |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|--|---------|------------|-------|
| Highly Refined Mineral Oil (CAS 64742-70-7) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |
| HYDROTREATED HEAVY PARAFINIC DISTILLATES (CAS 64742-54-7) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |
| HYDROTREATED LIGHT PARAFINIC DISTILLATE (CAS 64742-55-8) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |
| MINERAL OIL (CAS 64742-65-0) | Ceiling | 1800 mg/m3 | |
| | STEL | 10 mg/m3 | Mist. |
| Petroleum Distillates (CAS 246538-78-3) | TWA | 400 mg/m3 | |
| | | 100 ppm | |
| Petroleum distillates, solvent dewaxed light paraffinic (CAS 64742-56-9) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |

Biological limit values**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|----------------------------------|-------|---------------|------------------------|---------------|
| DIPHENYL AMINE (CAS 122-39-4) | 1.5 % | Methemoglobin | Hemoglobin in blood | * |

* - For sampling details, please see the source document.

Exposure guidelines**US - California OELs: Skin designation**

Ethyl acrylate (CAS 140-88-5)

Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Ethyl acrylate (CAS 140-88-5)

Skin designation applies.

US - Tennessee OELs: Skin designation

Ethyl acrylate (CAS 140-88-5)

Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Ethyl acrylate (CAS 140-88-5)

Can be absorbed through the skin.

Appropriate engineering controls

Good general ventilation 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**

Wear safety glasses with side shields (or goggles). Face shield is recommended.

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. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties**Appearance**

Material name: BG Hi-LOW30 (SAE 0W-30)

730, 7301, 73016, 7301CC, 73020, 730270, 73032, 7305, 730B, P730 Version #: 1.0 Revision date: 02-22-2021 Issue date: 02-22-

SDS US

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| | |
|---|----------------------------------|
| 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 | 644 °F (340 °C) estimated |
| Flash point | 208.4 °F (98.0 °C) estimated |
| 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 | 0.1 hPa estimated |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | 500 °F (260 °C) estimated |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Density | 0.88 g/cm ³ estimated |
| Explosive properties | Not explosive. |
| Flammability class | Combustible IIIB estimated |
| Oxidizing properties | Not oxidizing. |
| Percent volatile | 0.89 % estimated |
| Specific gravity | 0.88495 estimated |
| VOC | 0.93 % estimated |

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 | Avoid temperatures exceeding the flash point. 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 | May cause an allergic skin reaction. |

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 May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Not known.

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

DIPHENYL AMINE (CAS 122-39-4)

Acute

Oral

| | | |
|------|-----|--------|
| LD50 | Rat | 2 g/kg |
|------|-----|--------|

Ethyl acrylate (CAS 140-88-5)

Acute

Inhalation

| | | |
|------|-----|--------------------|
| LC50 | Rat | 1000 mg/l, 4 Hours |
|------|-----|--------------------|

Oral

| | | |
|------|-----|-----------|
| LD50 | Rat | 760 mg/kg |
|------|-----|-----------|

HYDROTREATED HEAVY PARAFINIC DISTILLATES (CAS 64742-54-7)

Acute

Dermal

| | | |
|------|--------|--------------|
| LD50 | Rabbit | > 5000 mg/kg |
|------|--------|--------------|

Oral

| | | |
|------|--------|---------------|
| LD50 | Rabbit | > 15000 mg/kg |
|------|--------|---------------|

Petroleum Distillates (CAS 246538-78-3)

Acute

Inhalation

| | | |
|------|-----|------------------|
| LC50 | Rat | 61 mg/l, 4 Hours |
|------|-----|------------------|

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 May cause an allergic skin reaction.

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

Ethyl acrylate (CAS 140-88-5) 2B Possibly carcinogenic to humans.

HYDROTREATED HEAVY PARAFINIC DISTILLATES (CAS 64742-54-7) 3 Not classifiable as to carcinogenicity to humans.

MINERAL OIL (CAS 64742-65-0) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Highly Refined Mineral Oil (CAS 64742-70-7) Known To Be Human Carcinogen.

HYDROTREATED LIGHT PARAFINIC DISTILLATE (CAS 64742-55-8) Known To Be Human Carcinogen.

Petroleum distillates, solvent dewaxed light paraffinic (CAS 64742-56-9) Known To Be Human Carcinogen.

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.

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.

| Components | Species | Test Results |
|--|---------|--|
| DIPHENYL AMINE (CAS 122-39-4) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Crustacea | EC50 | Water flea (<i>Daphnia magna</i>) 0.27 - 0.36 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) 3.471 - 4.141 mg/l, 96 hours |
| Ethyl acrylate (CAS 140-88-5) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) 2.311 - 2.701 mg/l, 96 hours |
| Petroleum Distillates (CAS 246538-78-3) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Crustacea | EC50 | Water flea (<i>Daphnia pulex</i>) 2.7 - 5.1 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>) 8.8 mg/l, 96 hours |
| | | 8.8 mg/l, 96 hours |

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

| | |
|----------------|------|
| DIPHENYL AMINE | 3.5 |
| Ethyl acrylate | 1.32 |

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

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 a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA) One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ethyl acrylate (CAS 140-88-5) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories Respiratory or skin sensitization

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

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

Ethyl acrylate (CAS 140-88-5)

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

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Ethyl acrylate (CAS 140-88-5) High priority

US state regulations

California Proposition 65



WARNING: This product can expose you to Ethyl acrylate, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethyl acrylate (CAS 140-88-5) Listed: July 1, 1989

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

DIPHENYL AMINE (CAS 122-39-4)

Ethyl acrylate (CAS 140-88-5)

Highly Refined Mineral Oil (CAS 64742-70-7)

HYDROTREATED HEAVY PARAFINIC DISTILLATES (CAS 64742-54-7)

HYDROTREATED LIGHT PARAFINIC DISTILLATE (CAS 64742-55-8)

MINERAL OIL (CAS 64742-65-0)

Petroleum Distillates (CAS 246538-78-3)

Petroleum distillates, solvent dewaxed light paraffinic (CAS 64742-56-9)

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia | Australian Inventory of Industrial Chemicals (AICIS) | No |

| Country(s) or region | Inventory name | On inventory (yes/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 Chemical Substance Inventory (TCSI) | 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 02-22-2021

Revision date 02-22-2021

Version # 1.0

Disclaimer BG Products, 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.