# SAFETY DATA SHEET

## 1. Identification

| | |
|---|---|
| **Product identifier** | **HyVolt GO** |
| **Other means of identification** | None. |
| **Recommended use** | Dielectric Fluids |
| **Recommended restrictions** | None known. |

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

| | |
|---|---|
| **Manufacturer:** | Ergon, Inc.<br>P.O. Box 1639<br>Jackson, MS 39181 USA |
| **EU Contact:** | Ergon International, Inc.<br>Drève Richelle 161 Building C<br>B-1410 Waterloo, Belgium |
| **Emergency Phone Numbers:** | |
| **US Customer Service:** | + 1-800-222-7122 |
| **Chemtrec:** | + 1-800-424-9300 After Business Hours (North America)<br>+ 1-703-527.-3887 (International),<br>+32-28083237 (Belgium)<br>+33-975181407 (France)<br>+49-69643508409 (Germany)<br>+39-0245557031 (Italy)<br>+34-931768545 (Spain) |
| **E-mail:** | sds@ergon.com |
| **Poison Centre (Centre Antipoisons - Belgium):** | +32022649636 |

## 2. Hazard(s) identification

| | | |
|---|---|---|
| **Physical hazards** | Not classified. | |
| **Health hazards** | Aspiration hazard | Category 1 |
| **Environmental hazards** | Not classified. | |
| **OSHA defined hazards** | Not classified. | |

**Label elements**

| | |
|---|---|
| **Signal word** | Danger |
| **Hazard statement** | May be fatal if swallowed and enters airways. |

**Precautionary statement**

| | |
|---|---|
| **Prevention** | Do not breathe gas/mist/vapors/spray. |
| **Response** | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. |
| **Storage** | Store locked up. |
| **Disposal** | Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. See section 13 of this SDS for disposal instructions. |

| | |
|---|---|
| **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 | % |
|---|---|---|---|
| Distillates (petroleum), hydrotreated light naphthenic | | 64742-53-6 | 67 - 99.5 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | | 72623-86-0 | 0 - 30 |
| Distillates (petroleum), solvent-refined light paraffinic | | 64741-89-5 | 0 - 3 |

**Composition comments** Not classified as a carcinogen. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

## 4. First-aid measures

**Inhalation** Move to fresh air. Oxygen or artificial respiration if needed. IF exposed or concerned: Get medical advice/attention.

**Skin contact** Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or an allergic skin reaction develops, get medical attention.

**Eye contact** Flush thoroughly with water. If irritation occurs, get medical assistance.

**Ingestion** Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a poison control center immediately.

**Most important symptoms/effects, acute and delayed** Defatting of the skin.

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

**General information** Contact physician if discomfort continues.

## 5. Fire-fighting measures

**Suitable extinguishing media** Halon. Dry chemicals. Foam. Carbon dioxide (CO2). Water spray or fog. Do not use water jet as an extinguisher, as this will spread the fire.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical** No unusual fire or explosion hazards noted.

**Special protective equipment and precautions for firefighters** Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

**Fire fighting equipment/instructions** Cool containers exposed to flames with water until well after the fire is out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Use pressurized air mask if product is involved in a fire.

**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. Local authorities should be advised if significant spillages cannot be contained. 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.

**Methods and materials for containment and cleaning up**

Large Spills: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). 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 or absorbent material then 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.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center.

## 7. Handling and storage

**Precautions for safe handling**

DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. All handling to take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Keep away from heat, sparks and open flame. Store in a well-ventilated place. Use care in handling/storage.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

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

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6) | PEL | 5 mg/m3 | Mist. |
| | | 2000 mg/m3 | |
| | | 500 ppm | |
| Distillates (petroleum), solvent-refined light paraffinic (CAS 64741-89-5) | PEL | 5 mg/m3 | Mist. |

**US. ACGIH Threshold Limit Values (TLV)**

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6) | TWA | 5 mg/m3 | Inhalable fraction. |
| Distillates (petroleum), solvent-refined light paraffinic (CAS 64741-89-5) | TWA | 5 mg/m3 | Inhalable fraction. |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0) | TWA | 5 mg/m3 | Inhalable fraction. |

**NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended**

| Components | Type | Value |
|---|---|---|
| Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6) | IDLH | 2500 mg/m3 |

**US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)**

| Material | Type | Value | Form |
|---|---|---|---|
| HyVolt GO | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6) | Ceiling | 1800 mg/m3 | |
| | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |
| Distillates (petroleum), solvent-refined light paraffinic (CAS 64741-89-5) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

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

**Eye/face protection** Goggles/face shield are recommended. Eye protection should meet standard EN 166.

**Skin protection**

**Hand protection** Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves. When prolonged or frequent repeated contact occurs, Nitrile gloves may be suitable. (Breakthrough time of > 240 minutes.) For incidental contact/splash protection Neoprene, PVC gloves may be suitable. Wear suitable gloves tested to EN374.

**Other** Chemical/oil resistant clothing is recommended. Launder contaminated clothing before reuse.

**Respiratory protection** Under normal conditions, respirator is not normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours [boiling point >65 °C (149 °F)] meeting EN14387.

**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 to remove contaminants. Discard contaminated footwear that cannot be cleaned.

## 9. Physical and chemical properties

**Appearance** Clear & bright

**Physical state** Liquid.

**Form** Liquid.

**Color** Water White

**Odor** Mild Petroleum Odor

**Odor threshold** Not available.

**pH** Property has not been measured.

**Melting point/freezing point** ≤-40 °F (≤-40 °C) ASTM D5950 estimated / ≤-40 °F (≤-40 °C) ASTM D5950

**Initial boiling point and boiling range** ≥545 °F (≥285 °C) ASTM D86 estimated

**Flash point** ≥284.0 °F (≥140.0 °C) Pensky-Martens Closed Cup ASTM D93

**Evaporation rate** Not available.

**Flammability (solid, gas)** Will burn if involved in a fire.

**Upper/lower flammability or explosive limits**

| | |
|---|---|
| **Explosive limit - lower (%)** | Not available. |
| **Explosive limit - upper (%)** | Not available. |
| **Vapor pressure** | Property has not been measured. |
| **Vapor density** | Not available. |
| **Vapor density temp.** | Property has not been measured. |
| **Relative density** | 0.89 ASTM D1298 |
| **Relative density temperature** | 68 °F (20 °C) |

**Solubility(ies)**

| | |
|---|---|
| **Solubility (water)** | Property has not been measured. |
| **Partition coefficient (n-octanol/water)** | Not established. |
| **Auto-ignition temperature** | ≥599 °F (≥315 °C) |
| **Decomposition temperature** | Property has not been measured. |
| **Viscosity** | ≤11 mm²/s (104 °F (40 °C) ASTM D445) |

**Other information**

| | |
|---|---|
| **Kinematic viscosity** | Property has not been measured. |
| **Particle size** | Not applicable, material is a liquid. |
| **VOC** | 0.75 % estimated |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| **Chemical stability** | Stable. |
| **Possibility of hazardous reactions** | Hazardous polymerization does not occur. |
| **Conditions to avoid** | Heat, flames and sparks. Avoid temperatures exceeding the flash point. |
| **Incompatible materials** | Strong oxidizing agents. |
| **Hazardous decomposition products** | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | May be fatal if swallowed and enters airways. |
| **Skin contact** | Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. |
| **Eye contact** | May be irritating to eyes. |
| **Ingestion** | May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration. May be fatal if swallowed and enters airways. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Defatting of the skin. Coughing. Shortness of breath. Discomfort in the chest. |

**Information on toxicological effects**

**Acute toxicity** Not applicable.

| **Components** | **Species** | **Test Results** |
|---|---|---|
| Distillates (petroleum), solvent-refined light paraffinic (CAS 64741-89-5) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 2000 mg/kg |
| **Oral** | | |
| LD50 | Rat | > 5000 mg/kg |

| Components | Species | Test Results |
|---|---|---|
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rat | > 2000 mg/kg |
| **Oral** | | |
| LD50 | Rat | > 5000 mg/kg |

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

**Skin corrosion/irritation** May cause defatting of the skin, but is neither an irritant nor a sensitizer.

**Serious eye damage/eye irritation** Not classified. May cause minor irritation on eye contact.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not classified.

**Skin sensitization** Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6) | 3 Not classifiable as to carcinogenicity to humans. |
| Distillates (petroleum), solvent-refined light paraffinic (CAS 64741-89-5) | 3 Not classifiable as to carcinogenicity to humans. |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0) | 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**

| | |
|---|---|
| Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6) | Known To Be Human Carcinogen. |
| Distillates (petroleum), solvent-refined light paraffinic (CAS 64741-89-5) | Known To Be Human Carcinogen. |

**Reproductive toxicity** Contains no ingredient listed as toxic to reproduction.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**Further information** Risk of chemical pneumonia after aspiration.

## 12. Ecological information

**Ecotoxicity** Not expected to be harmful to aquatic organisms.

**Persistence and degradability** Not inherently biodegradable.

**Bioaccumulative potential** Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

**Mobility in soil** Not 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** When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

| | |
|---|---|
| **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. Avoid discharge into water courses or onto the ground. |
| **Contaminated packaging** | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities. |

## 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 available. |
| **General information** | Not regulated as dangerous goods. |

## 15. Regulatory information

**US federal regulations**

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

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

HyVolt oils are certified to be PCB-free. HyVolt oils are processed from naturally occurring raw materials with no additives or recycled oils that might introduce PCB contamination.

**Toxic Substances Control Act (TSCA)**

**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 1910.1001-1053)**

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** | 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.

| | |
|---|---|
| **Safe Drinking Water Act (SDWA)** | Not regulated. |

**US state regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. 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 Industrial Chemicals (AICIS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*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** 01-13-2022

**Revision date** 01-08-2025

**Version #** 02

**NFPA ratings**

Health: 2
Flammability: 0
Instability: 0

**References**

ACGIH
EPA: AQUIRE database
NLM: Hazardous Substances Data Base
US. IARC Monographs on Occupational Exposures to Chemical Agents
IARC Monographs. Overall Evaluation of Carcinogenicity
National Toxicology Program (NTP) Report on Carcinogens
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices
Chemical Abstracts Service Registry Handbook
CRC: Handbook of Chemistry and Physics
ILO Safety Cards
International Labour Organization
International Maritime Organization Marine Pollutants List
NFPA Hazardous Chemical Data Sheets
NIOSH Pocket Guide
Registry of Toxic Effects of Chemical Substances (RTECS)
US DOT Hazardous Materials Regulations

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Revision information**

Hazard(s) identification: Disposal
Composition / Information on Ingredients: Disclosure Overrides
Fire-fighting measures: General fire hazards
Handling and storage: Precautions for safe handling
Exposure controls/personal protection: Hand protection
Exposure controls/personal protection: Eye/face protection
Exposure controls/personal protection: Thermal hazards
Physical and chemical properties: Flammability (solid, gas)
Toxicological information: Reproductivity
Disposal considerations: Hazardous waste code