SAFETY DATA SHEET

Gel Hut 4487

SDS # : D528235

Date of the previous version: 2015-07-01  Revision Date: 2019-03-12  Version 1.01

1. IDENTIFICATION

Product identifier
Product name Gel Hut 4487

Other means of identification
Product Code(s) D528235
Number 408
Substance/mixture Mixture

Recommended use of the chemical and restrictions on use
Identified uses Lubricating grease.

Uses advised against Do not use for any purpose other than the one for which it is intended

Details of the supplier of the safety data sheet
HUTCHINSON INDUSTRIES
460 Southard Street, Trenton, NJ 08638
Phone: 609-394-1010
FAX: 609-394-2031
email: MSDS@hutchinsoninc.com

HUTCHINSON SNC
4, rue de Londres 95340 PERSAN, FRANCE
Tél: +33 1 39 37 40 60
Fax: +33 1 34 70 18 90
email: vincent.alliot@hutchinson.com

2. HAZARDS IDENTIFICATION

Classification
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards not otherwise classified (HNOC)
None known

Other information
Physical-Chemical Properties Contaminated surfaces will be extremely slippery.
Environmental properties Should not be released into the environment.
3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Chemical nature**
The product is made from synthetic base oils.

**Additional information**
Product with ethylene-glycol base

4. FIRST AID MEASURES

**First aid measures for different exposure routes**

**General advice**
IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

**Eye contact**
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

**Skin contact**
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. High pressure jets may cause skin damage. Take victim immediately to hospital.

**Inhalation**
Remove casualty to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration.

**Ingestion**
Clean mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

**Protection of First-aiders**
First aider needs to protect himself. See Section 8 for more detail. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Most important symptoms/effects, acute and delayed**

**Skin contact**
Not classified based on available data. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.

**Eye contact**
Not classified based on available data.

**Inhalation**
Not classified based on available data. Inhalation of vapors in high concentration may cause irritation of respiratory system.

**Ingestion**
Not classified based on available data. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Symptoms**
No information available.
Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

| Suitable Extinguishing Media                  | Carbon dioxide (CO₂). ABC powder. Foam. Water spray or fog. |
| Unsuitable Extinguishing Media                | Do not use a solid water stream as it may scatter and spread fire. |
| Special Hazard                                | Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration. Nitrogen oxides (NOₓ), Silicon dioxide, |

**Explosion Data**

| Sensitivity to Mechanical Impact               | None. |
| Sensitivity to Static Discharge                | None. |
| Protective Equipment and Precautions for Firefighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-essential personnel. |

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**General Information**
Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

**Other information**
See Section 12 for additional information.

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**Environmental precautions**

**General Information**
Do not allow material to contaminate ground water system. Prevent entry into waterways, sewers, basements or confined areas. Try to prevent the material from entering drains or water courses. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment**
If necessary dike the product with dry earth, sand or similar non-combustible materials.

**Methods for cleaning up**
Dispose of contents/container in accordance with local regulation. In case of soil contamination, remove contaminated soil for remediation or disposal, in accordance with local regulations.

7. HANDLING AND STORAGE

**Precautions for safe handling**
For personal protection see section 8. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing.

**Prevention of fire and explosion**
Take precautionary measures against static discharges.
Hygiene measures

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Provide regular cleaning of equipment, work area and clothing. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

Keep away from food, drink and animal feedingstuffs. Keep in a bunded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Store at room temperature. Protect from moisture.

Materials to Avoid

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Control parameters

Exposure limits

Do not contain substance with occupational exposure limits in concentration above regulatory thresholds

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Exposure controls

Engineering Measures

Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Individual protection measures, such as personal protective equipment

General Information

Protective engineering solutions should be implemented and in use before personal protective equipment is considered. These recommendations apply to the product as supplied.

Eye/face protection

If splashes are likely to occur, wear: Safety glasses with side-shields.

Skin and body protection

Wear suitable protective clothing. Protective shoes or boots. Long sleeved clothing.

Hand Protection

Hydrocarbon-proof gloves. Fluorinated rubber. Nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. Warning! filters have a limited use duration. The use of breathing apparatus must comply strictly with the manufacturer’s instructions and the regulations governing their choices and uses.

Hygiene measures

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Provide regular cleaning of equipment, work area and clothing. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

9. PHYSICAL AND CHEMICAL PROPERTIES

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<th>Property</th>
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<td>Date of the previous version:</td>
<td>2015-07-01</td>
<td>Revision Date: 2019-03-12</td>
<td>Version 1.01</td>
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<td>logPow</td>
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Autoignition temperature: No information available
Decomposition temperature: No information available
Viscosity, kinematic: Not applicable
Explosive properties: Not explosive
Oxidizing Properties: Not applicable
Possibility of hazardous reactions: None under normal processing

Other information:
Freezing Point: No information available

10. STABILITY AND REACTIVITY

Reactivity: None under normal processing.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Keep away from open flames, hot surfaces and sources of ignition. Keep away from heat and sparks. Take precautionary measures against static discharges.

Incompatible materials: Strong oxidizing agents.

Hazardous Decomposition Products: Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. Nitrogen oxides (NOx), Silicon dioxide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Principle Routes of Exposure: Inhalation, Ingestion, Eye contact, Skin contact.
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Symptoms:
Skin contact: Not classified based on available data. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.
Eye contact: Not classified based on available data.
Inhalation: Not classified based on available data. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion: Not classified based on available data. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Acute toxicity - Product Information
Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

**Oral**

Not classified based on available data

**Dermal**

Not classified based on available data

**Inhalation**

Not classified based on available data

### Acute toxicity - Component Information

No information available

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<thead>
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<tr>
<td><strong>Skin corrosion/irritation</strong></td>
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<tr>
<td><strong>Sensitization</strong></td>
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<tr>
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<tr>
<td><strong>Carcinogenicity</strong></td>
</tr>
<tr>
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<td><strong>Germ Cell Mutagenicity</strong></td>
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<td><strong>Reproductive toxicity</strong></td>
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<td><strong>Target Organ Effects (STOT)</strong></td>
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<td><strong>STOT - single exposure</strong></td>
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<td><strong>Aspiration hazard</strong></td>
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<td>Not classified based on available data.</td>
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</table>

### 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute aquatic toxicity - Product Information

No information available

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#### Acute aquatic toxicity - Component Information

No information available

#### Chronic aquatic toxicity - Product Information

No information available

#### Chronic aquatic toxicity - Component Information

No information available
Effects on terrestrial organisms  No information available.

Persistence and degradability
General Information  No information available.

Bioaccumulative potential
Product Information  No information available.
logPow  No information available
Component Information  No information available.

Mobility
Soil  Given its physical and chemical characteristics, the product has no soil mobility.
Air  Loss by evaporation is limited
Water  The product is insoluble and sinks in water

Other adverse effects
General Information  No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment
Waste Disposal Methods  This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging  Empty containers should be taken to an approved waste handling site for recycling or disposal.
14. TRANSPORT INFORMATION

DOT
Not regulated
Not regulated

ICAO/IATA
Not regulated
Not regulated

IMDG/IMO
Not regulated
Not regulated

ADR/RID

15. REGULATORY INFORMATION

International Inventories
All the substances contained in this product are listed or exempted from listing in the following inventories:
U.S.A. (TSCA)

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

SARA 311/312 Hazard Categories

Acute Health Hazard No
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

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).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

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This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

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.

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
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<tbody>
<tr>
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<td>1344-28-1</td>
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</tbody>
</table>

16. OTHER INFORMATION

**NFPA** Health Hazard 0 Flammability 1 Instability 0 Special hazards **HMIS** Health Hazard 0 Flammability 1 Physical Hazard 0 Personal protection X

NFPA (National Fire Protection Association)
HMIS (Hazardous Material Information System)
Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

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Revision Note *** Indicates updated section

Abbreviations, acronyms
ACGIH = American Conference of Governmental Industrial Hygienists
bw = body weight bw/day = body weight/day
EC x = Effect Concentration associated with x% response
GLP = Good Laboratory Practice
IARC = International Agency for Research of Cancer
LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals
LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals
LL = Lethal Loading
NIOSH = National Institute of Occupational Safety and Health
NOAEL = No Observed Adverse Effect Level

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NOEC = No Observed Effect Concentration
NOEL = No Observed Effect Level
OECD = Organization for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
UVCB = Substance of unknown or Variable composition, Complex reaction products or Biological material

Legend
Section 8
ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH - National Institute for Occupational Safety and Health
TLV - Threshold Limit Values
PEL - Permissible Exposure Limits
IDHL - Immediately Dangerous to Life or Health concentrations
TWA - Time Weight Average
STEL - Short Term Exposure Limits
S* - Skin notation
TSCA - Toxic Substance Control Act

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk.
information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

End of the Safety Data Sheet