

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : RUNFLAT LUBRICANT
Product code : Gel HUT 4487
P/N D528235 (+ suffixes)
Product description : Lubricating grease
NSN# : 2640-01-419-6200 and 2640-01-457-5552
Cage Code : 62161

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Industrial/Professional use

1.3 Details of the supplier of the safety data sheet

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

HUTCHINSON INDUSTRIES
460 Southard Street, Trenton, NJ 08638
Phone: 609-394-1010
FAX: 609-394-2031
email: MSDS@hutchinsoninc.com

1.4 Emergency telephone number

Poison Control

In the US call : 1-800-222-1222
In France call : + 33 1 45 42 59 59 (ORFILA)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Directive 1999/45/EC [DSD]

The product is not classified as dangerous according to Directive 67/548/EEC and its amendments.

Classification : Not classified.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Mixture with polymers/elastomers which do not require to be labeled

2.3 Other hazards

Other hazards which do not result in classification : Not available.

SECTION 3: Composition/information on ingredients

Substance/mixture : Non-Hazardous Mixture

Type

- [1] Substance not classified with a health or environmental hazard
- [2] Substance with no workplace exposure limit
- [3] Substance does not meet the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance does not meet the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Rinse with plenty of running water. Get medical attention if symptoms occur.
Inhalation	: In case of accident by inhalation: remove casualty to fresh air and keep at rest. Seek medical attention.
Skin contact	: Wash with soap and water. Get medical attention if symptoms occur.
Ingestion	: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately Seek medical attention.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent
Ingestion	: No known significant effects or critical hazards. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Over-exposure signs/symptoms

Eye contact	: Not classified.
Inhalation	: Not categorized. Inhalation of vapors in high concentration may cause irritation of respiratory system
Skin contact	: Not categorized. High pressure skin injections are serious medical emergencies. Injury will not appear serious at first. Within a few hours, tissue will become swollen, discolored and extremely painful.
Ingestion	: Not categorized. Ingestion may cause nausea, diarrhea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: Treat symptomatically.
Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Carbon dioxide, ABC powder, Foam. Water spray or fog
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: No specific fire or explosion hazard.
Hazardous thermal decomposition products	: Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Special protective actions for fire-fighters	: Cool containers/ tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations
Special protective equipment for fire-fighters	: Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : 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.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2 Environmental precautions : Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained

6.3 Methods and materials for containment and cleaning up

Surfaces on which the product has been spilled may become slippery. Dam up. Contain spillage, and then collect with non-combustible absorbent material. (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations (see section 13). Collect free product with suitable mechanical means. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

: See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures : During heating of the material, avoid breathing the fumes and, Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.

Advice on general occupational hygiene : When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. 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 pockets.

7.2 Conditions for safe storage, including any incompatibilities

: Keep away from food, drink and animal bowls. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of regulation label on the new containers (even if they are empty) Design the installation in order to avoid accidental emissions of product (due to seal breakage, for example) on to hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

The classification is based on the list of ingredients and their proportions, but ignores the fact that hazardous substances are trapped in a polymer matrix, which reduces the risk of exposure.

Recommended monitoring procedures : Does not contain substances with European workplace exposure limits in concentration above regulatory thresholds

Derived effect levels

No DELs available.

Predicted effect concentrations

No PECs available.

8.2 Exposure controls

Appropriate engineering controls : Apply technical measures to comply with the occupational exposure limits. 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

Hygiene measures : If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

Eye/face protection : If splashes are likely to occur, wear: safety glasses with side-shields.

Skin protection

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. If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the EC approved gloves.

Body protection

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

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: None under normal use conditions. In case of vapors and aerosol formation: respirator with combination filter for vapor/particulate (EN 14387). The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and use.

Environmental exposure controls

: The production should not be allowed to enter drains, water courses or the soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Solid.

Color : White. Beige.

Odor

: Characteristic.

Odor threshold

: Not available.

pH

: Not available.

Melting point/freezing point

: Not available.

Initial boiling point and boiling range

: Not available.

SECTION 9: Physical and chemical properties

Flash point	: Not available.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Burning time	: Not available.
Burning rate	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1050 kg/ m ³ @ 20°C
Solubility(ies)	: Soluble in water
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Explosive properties	: Not explosive
Oxidizing properties	: Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: None known.
10.2 Chemical stability	: Stable under recommended storage conditions
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.
10.5 Incompatible materials	: Strong oxidizing agents
10.6 Hazardous decomposition products	: None under normal use. Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acutetoxicity

Conclusion/Summary : Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitization

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

SECTION 11: Toxicological information

Conclusion/Summary	: Not available.
Teratogenicity	
Conclusion/Summary	: Not available.
Information on the likely routes of exposure	
Potential acute health effects	
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent
Ingestion	: No known significant effects or critical hazards. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Symptoms related to the physical, chemical and toxicological characteristics	
Eye contact	: Not classified.
Inhalation	: Not categorized. Inhalation of vapors in high concentration may cause irritation of respiratory system
Skin contact	: Not categorized. High pressure skin injections are serious medical emergencies. Injury will not appear serious at first. Within a few hours, tissue will become swollen, discolored and extremely painful.
Ingestion	: Not categorized. Ingestion may cause nausea, diarrhea and vomiting.
Delayed and immediate effects and also chronic effects from short and long term exposure	
Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effects	
Not available.	
Conclusion/Summary	: Not available.
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.
Other information	: Not available.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not classified.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : No mobility in soil

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects

: No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal

: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste

: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Packaging

Methods of disposal

: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. The following Waste codes are only suggestions: 12 01 12. According to the European Waste Catalogue, waste codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Special precautions

: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

SECTION 15: Regulatory information

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

EURegulation(EC)No.1907/2006(REACH)

Annex XIV-List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Other EU regulations

Europe inventory : Not determined.

Black List Chemicals : Not listed

Priority List Chemicals : Not listed

Integrated pollution prevention and control list (IPPC) - Air : Not listed

Integrated pollution prevention and control list (IPPC) - Water : Not listed

National regulations

Reinforced medical surveillance : Act of July 11, 1977 determining the list of activities which require reinforced medical surveillance: not applicable

International regulations

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals : Not listed

15.2 Chemical Safety Assessment

SECTION 16: Other information

 Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number

Classification according to Regulation(EC)No.1272/2008[CLP/GHS]

Not classified.

Procedure used to derive the classification according to Regulation(EC)No.1272/2008[CLP/GHS]

Classification	Justification
Not classified.	

SECTION 16: Other information

Full text of abbreviated H statements : Not applicable.

Full text of classifications [CLP/GHS] : Not applicable.

Full text of abbreviated R phrases : Not applicable.

Full text of classifications [DSD/DPD] : Not applicable.

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Version : 4

Noticetoreader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

U.S. Revisions

Rev:	Description:	Release Date:	Change Notice Document:
04	New Format	June 5, 2015	6851
05	Clarify NSN and Haz Classif	June 26, 2015	6865