SAFETY DATA SHEET

DATE: 13/4/2016

1. Identification of the substance/preparation and company.

Product identifier
Name of product: ECOCUT HFN 16
Application: Metal working oil

Name of Manufacturer/Supplier:
Manufacturer: FUCHS JAPAN LTD.
Address: 13F,Kamiyacho MT Bldg. 4-3-20 Toranomon, Minato-ku, Tokyo, 105-0001 Japan
Telephone number: +81 3 3436 8302
Fax: +81 3 3436 8301

Health and Safety Emergency telephone number:
Telephone number: +81 595 20 1114

2. Hazards identification

GHS classification
Physical Hazards
Explosives: Not Applicable
Flammable gases: Not Applicable
Flammable aerosols: Not Applicable
Oxidizing gases: Not Applicable
Gases under pressure: Not Applicable
Flammable liquids: Not Classified
Flammable solids: Not Applicable
Self-reactive substances and mixtures: Classification Not Possible
Pyrophoric liquids: Classification Not Possible
Pyrophoric solids: Not Applicable
Self-heating substances and mixtures: Classification Not Possible
Substances and mixtures which, in contact with water, emit flammable gases: Not Applicable
Oxidizing liquids: Not Applicable
Oxidizing solids: Not Applicable
Organic peroxides: Not Applicable
Substances and mixtures corrosive to metals: Classification Not Possible

Health concerning risk
Acute toxicity (oral): Not Classified
Acute toxicity, (dermal): Not Classified
Acute toxicity (inhalation: gas): Not Applicable
Acute toxicity (inhalation: vapor): Classification Not Possible
Acute toxicity (inhalation: dust and mist): Not Classified
Skin corrosion / irritation: Classification Not Possible
Serious eye damage / eye irritation: Classification Not Possible
Respiratory sensitizer: Classification Not Possible
Skin sensitizer: Not Classified
Germ cell mutagenicity: Classification Not Possible
Carcinogenicity: Not Classified
Reproductive toxicity: Classification Not Possible
Specific target organ toxicity (single exposure): Classification Not Possible
Specific target organ toxicity (repeated exposure): Classification Not Possible
Aspiration hazard: Category 1
Environmental Hazards
Hazardous to the aquatic environment (acute): Classification Not Possible
Hazardous to the aquatic environment (chronic): Classification Not Possible

GHS symbol

Signal Words: Danger

Hazard statement: May be fatal if swallowed and enters airways.

Prevention: Please obtain safety data sheet (SDS) and review it before using this product. Do not eat, drink or smoke when using this product. Gloves, eye protection and face protection equipment are required. Ensure adequate ventilation. Do not inhale the dust/smoke/gas/steam/spray from this product. Wash hands after use. Avoid release to the environment.

Response: In case of contact with skin wash off immediately with soap and water. Remove contaminated soaked clothing immediately, don’t leave to dry. In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment. Consult a doctor if skin irritation persists. Contact a doctor when you feel unpleasant. If swallowed seek medical advice immediately and show the doctor packing / label. Call doctor/physician if you feel unwell. Take doctor treatment when exposing/possible exposure is concerned.

Storage: Keep away from humidity. Store in a secure locked place in sealed container. Store at cool and aired place.

Disposal: Must be specially treated under official local regulation

Country / region information: See section 15

3. Compositional information:
Composition: Mixture

Components and contained amount
Mineral oil: > 90%

Other trade secrets

This product does not have any heavy metals like Pb, Hg, Cd, Cr\(^{6+}\) and heavy metal's compounds.

4 First aid measures
Inhalation: Remove to fresh air. If dyspnea or distress persists, seek medical attention.
Skin: Wash with soap and water. If symptoms of exposure persist, contact a physician.

Eyes: Wash immediately with plenty of water. If symptoms of exposure persist, seek medical attention.

Ingestion: Do not induce vomiting. Seek immediate medical attention. Do not give anything by mouth to an unconscious person.

Other information: Rescuers to wear the appropriate protective equipment

5 Fire fighting measures

Extinguishing agent: CO₂, Foam, Sand, Water mist, Dry chemical. Extinguish larger fires with alcohol resistant foam or spray water with suitable tensides added

Unsuitable extinguishing agent: Water jet

Special hazards
Fire gas of organic material has to be classed invariably as respiratory poison.

Specialized fire extinguishing method
Remove or extinguish ignition or combustion sources. Please use powder or carbon dioxide for an initial fire. In the case of large-scale fires, it is possible to shut off the air by using a foam extinguisher is effective. Cool in facilities around by watering. The site of the fire can enter only authorized personnel. Wear suitable personal protective equipment for fire extinguishing measures.

Special protective equipment for fire-fighters
In case of rescue and maintenance activities in storage containers use environment-independent breathing apparatus because of risk of suffocation by edging out of air oxygen. Wear suitable personal protective equipment for fire extinguishing measures.

6 Accidental release measure

Personal precautions:
Wear plastic or rubber gloves and boots. Ensure adequate ventilation. In the case of the product leaks out in large quantities, please evacuate the people to a safe place.

Environmental precautions:
Do not discharge into the drains/surface waters / groundwater. Do not discharge into the subsoil/soil. If the product leaked to the environment, please contact the relevant organizations.

Measures for cleaning/collecting:
Wipe off spilled oil with rags and dispose. Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder). In the case of the product leaks out in large quantities, please evacuate the people to a safe place.

7 Handling and storage

Information for safe handling:
Near a handling place, install facilities for washing eyes and washing body. In the case of mist occurs, install a local exhaust ventilation
Avoid contacting with eye, skin, and do not swallow.  
Keep away from children.  
Keep away from heat/sparks/open flames/hot surfaces.  
Ensure adequate ventilation.  
Wear gloves, eye protection and personal protection.  
Wash hands after use.  
Gargle after use.

Storage:  
Do not weld, heating, drilling or cutting the container, as the residuals in the container might ignite with explosion.  
Do not put pressure on empty container.  
Do not store together with oxidising and self-inflammable materials.  
Keep in a well-ventilated place.  
Keep away from humidity and rainwater.  
Avoid direct sunlight.  
Put in a sealed container.  
Use the product container.  
Keep it in the place without fear of theft

8 Exposure Controls and personal protection  
Management of concentration: No data  
The maximum permissible concentration: No data

Personal protection:  
Respiratory protection: Gas mask if necessary  
Hand protection: Wear gloves (Oil resistance)  
Eye protection: Tightly fitting goggles, in case of splashing  
Skin protection: Working clothes

9 Physical and chemical properties  
Appearance: Light yellow liquid  
Odour: Mineral oil  
pH (Undiluted solution): Not No data Applicable  
Melting point: No data  
Boiling point: No data  
Flash point (°C): 194  
Explosion Limit: No data  
Vapor pressure: No data  
Vapor density: No data  
Specific gravity 15°C (g/cm³): 0.86  
Solubility in water: More or less insoluble  
Solubility in organic solvent: Soluble  
Partition coefficient (n-octanol/water): No data  
Autoignition temperature: No data  
Evaporation rate: No data  
Flammability: Flammable.

10 Stability and reactivity  
Stability: Stable under the conditions of normal.  
Reactivity: No data  
Conditions to avoid: High temperature.  
Materials to avoid: Reactions with oxidising agents.  
Hazardous decomposition products: No data
11 Toxicological information
   Acute toxic potential: No data
   Skin corrosion / irritation: No data
   Serious eye damage / eye irritation: No data
   Respiratory sensitizer: No data
   Skin sensitizer: No data
   Germ cell mutagenicity: No data
   Carcinogenicity: No data
   Reproductive toxicity: No data
   Specific target organ toxicity (single exposure): No data
   Specific target organ toxicity (repeated exposure): No data
   Respiratory effect by inhalation: No data
   Harmful effect of respiratory organ: No data

12 Ecological information
   Ecotoxic effects: No data
   Residual potential and degradation effect: No data
   Bioaccumulation potential: No data
   Mobility in soil: No data

13 Disposal considerations
   Dispose in line with local legislation.
   Do not discharge into the drains/surface waters / groundwater.
   Do not discharge into the subsoil/soil.

14 Transport information
   You must take measures to prevent collapsing of the freight.
   Please confirm that there is no leakage or damage to the products.
   UN classification: Not applied
   UN number: Not applied
   Packaging group: Not applied
   Marine pollutant: Not applied

15 Regulatory information
   International regulation
   Observe the normal safety regulations when handling this product.
   Local regulations must be kept.

16 Other information
   Product inquiries:
   Company name: FUCHS JAPAN LTD.
   Address: 408-3 Aza-saburodani Ouchi Iga-shi Mie-ken, 518-0034, Japan
   Department: Technology & Development department
   TEL: +81-(0)595-20-1114
   FAX: +81-(0)595-20-1056

This SDS provides a good faith representation of information believed to be accurate as of the last revision data. However they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet
may give rise to risks not mentioned in this sheet. You should not use the product other than for this stated application or applications without seeking advice from us.

If you have purchased the product for supply to third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.