



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

### 1.1 Product identifier

Trade name: HTF fat open

UFI: AE20-J0AJ-G00T-C0U2

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

General use: High temperature grease

### 1.3 Details of the supplier of the safety data sheet

Company name: EUROTECH Maier Ernst GmbH

Street/POB-No.: Herrschaftswiesen 5

Postal Code, city: AT-6842 Koblach

WWW: www.eurotech.at

E-mail: office@eurotech.at

Telephone: +43 (0)5523 53852

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Department responsible for information:

Telephone: +43 (0)5523 53852, Email: office@eurotech.at

### 1.4 Emergency telephone number

**GIZ-Nord, Göttingen****Telephone: +49 551-19240**

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

### 2.2 Label elements

#### Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

### 2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

## SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: silicone grease

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.



- Following skin contact: Thoroughly wash skin with soap and water. Do not use any organic solvents. Seek medical treatment in case of troubles.  
injection of oil into the skin may cause permanent local skin damage. There may be no signs of initial injury or pain. Immediately get medical attention.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.
- After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth immediately and drink plenty of water. Do not induce vomiting without medical assistance. Consult physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

In case of inhalation: Overheating released mist or vapours can irritate the respiratory tracts.

Other symptoms: Cough, respiratory complaints, dizziness, nausea, vomiting.

In case of ingestion:

Following symptoms can occur depending on degree of seriousness: Nausea, gastrointestinal complaints, vomiting, diarrhoea.

After contact with skin: Frequent or prolonged skin contact may cause irritation and inflammation.

injection of oil into the skin may cause permanent local skin damage. There may be no signs of initial injury or pain.

After eye contact:

Product can cause slight irritation. Upon direct contact with eyes may cause burning, tearing, redness.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Water spray jet, Foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

### 5.2 Special hazards arising from the substance or mixture

This material is combustible, but will not ignite readily. The product may release harmful vapours by heating. Vapours can form explosive mixtures with air. In case of fire may be liberated: Silicon dioxide, carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Treat as oil fire. Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Seal off endangered area. Heating causes rise in pressure with risk of bursting. Cool endangered containers with water spray and, if possible, remove from danger zone. Use water spray jet to knock down vapours. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all ignition sources if safe to do so. Avoid contact with the substance. Avoid formation of aerosols/vapours. Wear appropriate protective equipment. Ensure adequate ventilation, especially in confined areas.

### 6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.



### 6.3 Methods and material for containment and cleaning up

Plug leak if safely possible. Collect with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents, or sawdust) and place in closed containers for disposal.  
Final cleaning. Dispose of waste according to applicable legislation.

Additional information: Special danger of slipping by leaking/spilling product.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Avoid prolonged, intensive skin contact and contact with the eyes. Do not ingest. Avoid formation of aerosols/vapours. Do not breathe vapour/aerosol. Wear appropriate protective equipment. When using do not eat, drink or smoke.

Precautions against fire and explosion:

Usual measures for fire prevention. Keep away from heat sources, sparks and open flames.  
Use only non-sparking tools. Take precautionary measures against static discharges.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep in a cool place. Keep container dry. Do not drop, drag or bang the container. Avoid temperatures exceeding 35 °C. Keep away from incompatible materials.

Hints on joint storage:

Keep away from strong acids, strong bases and oxidizing agents.

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: Respiratory protection is not necessary if room is well ventilated.

Hand protection: Protective gloves according to EN 374.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Recommended: Wear suitable protective clothing.

General protection and hygiene measures:

Avoid prolonged, intensive skin contact and contact with the eyes. Change contaminated clothing. Do not use any organic solvents. Avoid formation of aerosols/vapours. Do not breathe vapour/aerosol. Have eye wash bottle or eye rinse ready at work place. After work, wash hands and face.

### Environmental exposure controls

Refer to "6.2 Environmental precautions".



## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	Form: pasty (soft fat)
Colour:	whitish, transparent
Odour:	characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	No data available
Decomposition temperature:	Avoid temperatures exceeding 35 °C.
pH:	No data available
Viscosity, kinematic:	No data available
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	No data available
Density:	No data available
Vapour density:	No data available
Particle characteristics:	Not applicable

### 9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Solvent content:	0 %
Evaporation rate:	No data available
Additional information:	unworked penetration 1/10 mm: 230 - 265

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Refer to 10.3.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known..

### 10.4 Conditions to avoid

Avoid open flames. Keep away from sources of ignition. Protect from excessive heat. Measurements taken at temperatures exceeding 150 °C have revealed that a small quantity of formaldehyde splits off through oxidative decomposition.

### 10.5 Incompatible materials

Keep away from acids, alkalis and oxidizing agents.

### 10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: Avoid temperatures exceeding 35 °C.



## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:	LD50 Rat, oral: > 3400 mg/kg
Toxicological effects:	Acute toxicity (oral): Based on available data, the classification criteria are not met. Acute toxicity (dermal): Lack of data. Acute toxicity (inhalative): Lack of data. Skin corrosion/irritation: Lack of data. Serious eye damage/irritation: Lack of data. Sensitisation to the respiratory tract: Lack of data. Skin sensitisation: Lack of data. Germ cell mutagenicity/Genotoxicity: Lack of data. Carcinogenicity: Lack of data. Reproductive toxicity: Lack of data. Effects on or via lactation: Lack of data. Specific target organ toxicity (single exposure): Lack of data. Specific target organ toxicity (repeated exposure): Lack of data. Aspiration hazard: Lack of data.

### 11.2 Information on other hazards

Endocrine disrupting properties:	No data available
Other information:	No adverse effects known to this day, when properly handled.

### Symptoms

In case of inhalation: Overheating released mist or vapours can irritate the respiratory tracts.  
Other symptoms: Cough, respiratory complaints, dizziness, nausea, vomiting.  
In case of ingestion:  
Following symptoms can occur depending on degree of seriousness: Nausea, gastrointestinal complaints, vomiting, diarrhoea.  
After contact with skin: Frequent or prolonged skin contact may cause irritation and inflammation.  
injection of oil into the skin may cause permanent local skin damage. There may be no signs of initial injury or pain.  
After eye contact:  
Product can cause slight irritation. Upon direct contact with eyes may cause burning, tearing, redness.

## SECTION 12: Ecological information

### 12.1 Toxicity

Further details:	No data available
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### 12.2 Persistence and degradability

Further details:	Product is biodegradable with difficulty.
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### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:	No data available
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### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

**12.6 Endocrine disrupting properties**

No data available

**12.7 Other adverse effects**

General information: Do not allow to enter into ground-water, surface water or drains.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Waste key number: 20 01 26\* = oil and fat other than those mentioned in 20 01 25

\* = Evidence for disposal must be provided.

Recommendation: Incinerate according to applicable local, state and federal regulations.

**Package**

Recommendation:

Waste key number:

150102 Plastic container

150104 Packages of metal

Dispose of waste according to applicable legislation.

Non-contaminated packages may be recycled.

**SECTION 14: Transport information****14.1 UN number or ID number**

ADR/RID, IMDG, IATA-DGR: not applicable

**14.2 UN proper shipping name**

ADR/RID, IMDG, IATA-DGR: Not restricted

**14.3 Transport hazard class(es)**

ADR/RID, IMDG, IATA-DGR: not applicable

**14.4 Packing group**

ADR/RID, IMDG, IATA-DGR: not applicable

**14.5 Environmental hazards**

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant: no

**14.6 Special precautions for user**

No dangerous good in sense of these transport regulations.

**14.7 Maritime transport in bulk according to IMO instruments**

No data available

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations - EC member states**

Further regulations, limitations and legal requirements:

No data available

**15.2 Chemical Safety Assessment**

For this mixture a chemical safety assessment is not required.

**SECTION 16: Other information**

Reason of change: General revision

Date of first version: 27/11/2001

Department issuing data sheet: see section 1: Department responsible for information

Abbreviations and acronyms: ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
AS/NZS: Australian Standards/New Zealand Standards  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
EC: European Community  
EN: European Standard  
EQ: Excepted quantities  
EU: European Union  
IATA: International Air Transport Association  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG Code: International Maritime Dangerous Goods Code  
LD50: Lethal dose 50%  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
TRGS: Technical Rules for Hazardous Substances  
vPvB: Very persistent and very bioaccumulative

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.