



safety for your pipeworks

SAFETY DATA SHEET

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according to 1907/2006/EC, Article 31

Printing date: 03.07.2019

Revision: 02.07.2019

Trade name: GIRPI HTA FUSION THF FREE

Version number: 19

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

1.1 Product identifier

Trade name: **GIRPI HTA FUSION THF FREE** (HTAFUSNOTHFP / HTAFUSNOTHFB)

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

No further relevant information available.

Application of the substance / the mixture: Adhesive

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GIRPI

Rue Robert Ancel

CS 90133

76700 HARFLEUR / FRANCE

Tel.: 33(0)2 32 79 60 00

Fax: 33(0)2 32 79 60 27

E-mail: contact@girpi.fr

Further information obtainable from: Technical Assistance Tel: 33(0)2 32 79 58 00

1.4 Emergency telephone number: +31 88 3235700. Operating hours mo-fr 08:00h-17:00h (CET)

2 / Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02



GHS07

Signal word Danger

Hazard-determining components of labelling:

butanone

Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.



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- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing vapours.
- P370+P378 In case of fire: Use to extinguish: Water haze, Alcohol resistant foam, Fire-extinguishing powder, Carbon dioxide.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with national regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Labelling of packages where the contents do not exceed 125 ml

Hazard pictograms



GHS02



GHS07

Signal word Danger

Hazard-determining components of labelling:

butanone

Hazard statements

H336 May cause drowsiness or dizziness.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P261 Avoid breathing vapours.

P501 Dispose of contents/container in accordance with national regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 / Composition/information on ingredients

3.2 Mixtures

Description:

Mixture of substances listed below with nonhazardous additions.

Adhesive

. Dangerous components:		
CAS: 646-06-0 EINECS: 211-463-5	1,3-dioxolane Flam. Liq. 2, H225; Eye Irrit. 2, H319	50-100%
CAS: 78-93-3 EINECS: 201-159-0	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 128-37-0 EINECS: 204-881-4	Butylated hydroxytoluene Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<1%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4 / First aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints. No special measures required.

After skin contact: Generally the product does not irritate the skin.



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. After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

. **After swallowing:** If symptoms persist, consult doctor.

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

No further relevant information available.

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

No further relevant information available.

5 / Firefighting measures

. 5.1 Extinguishing media

. Suitable extinguishing agents:

Water haze

Alcohol resistant foam

Fire-extinguishing powder

Carbon dioxide

. **For safety reasons unsuitable extinguishing agents:** Water with full jet

. 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

. 5.3 Advice for firefighters

. **Protective equipment:** No special measures required.

. Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 / Accidental release measures

. 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

. 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

. 6.3 Methods and material for containment and cleaning up:

Send for recovery or disposal in suitable receptacles.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

. 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 / Handling and storage

. 7.1 Precautions for safe handling

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

. Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

. 7.2 Conditions for safe storage, including any incompatibilities

. Storage:

. **Requirements to be met by storerooms and receptacles:** Store in a cool location.

. **Information about storage in one common storage facility:** Not required.

. Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

. Storage class: 3

. **7.3 Specific end use(s)** No further relevant information available.



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8 / Exposure controls/personal protection

. **Additional information about design of technical facilities:** No further data; see item 7.

. 8.1 Control parameters

. Ingredients with limit values that require monitoring at the workplace:		
78-93-3 butanone		
WEL	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV	
. DNELs		
78-93-3 butanone		
Oral	Consumer, oral, longterm exposition	31 mg/kg bw/day
Dermal	Consumer, dermal, longterm exposition	412 mg/kg bw/day
Inhalative	Consumer, inhalation, longterm exposition	106 mg/m ³
. PNECs		
78-93-3 butanone		
Fresh water	55.8 mg/l	
Marine water	55.8 mg/l	
Soil	22.5 mg/kg	
. Ingredients with biological limit values:		
78-93-3 butanone		
BMGV	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one	

. **Additional information:** The lists valid during the making were used as basis.

. 8.2 Exposure controls

. Personal protective equipment:

. General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

. Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

. Recommended filter device for short term use: Filter A

. Protection of hands:

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

. Material of gloves

Butyl rubber, BR

Recommended thickness of the material: > 0,7 mm

. Penetration time of glove material

For the mixture of chemicals mentioned below the penetration time has to be at least 120 minutes (Permeation according to EN 374 Part 3: Level 4).



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. Eye protection:



Tightly sealed goggles

Goggles recommended during refilling

. Body protection: Solvent resistant protective clothing

* 9 / Physical and chemical properties

. 9.1 Information on basic physical and chemical properties

. General Information

. Appearance:

Form: Fluid
Colour: Light orange colour

. **Odour:** Characteristic

. **Odour threshold:** Not determined.

. **pH-value:** Not determined.

. Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 75 °C

. **Flash point:** -9 °C

. **Flammability (solid, gas):** Not applicable.

. **Ignition temperature:** 274 °C

. **Decomposition temperature:** Not determined.

. **Auto-ignition temperature:** Product is not selfigniting.

. **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

. Explosion limits:

Lower: 1.8 Vol %

Upper: 11.5 Vol %

. **Vapour pressure at 20 °C:** 133 hPa

. **Density at 20 °C:** 1.084 g/cm³

. **Relative density** Not determined.

. **Vapour density** Not determined.

. **Evaporation rate** Not determined.

. **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

. **Partition coefficient: n-octanol/water:** Not determined.

. Viscosity:

Dynamic at 20°C: 2500 mPas

Kinematic: Not determined.

. Solvent content:

Organic solvents: 26.9 %

Water: 0.0 %

Solids content: 18.0 %

. 9.2 Other information

All relevant physical data were determined for the mixture. All non-determined data are not measurable or not relevant for the characterization of the mixture.

10 / Stability and reactivity

. **10.1 Reactivity** No further relevant information available.



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. 10.2 Chemical stability

. Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

. 10.3 Possibility of hazardous reactions

No dangerous reactions known.

. 10.4 Conditions to avoid

No further relevant information available.

. 10.5 Incompatible materials:

No further relevant information available.

. 10.6 Hazardous decomposition products:

Danger of forming toxic pyrolysis products.

11 / Toxicological information

. 11.1 Information on toxicological effects

. Acute toxicity

Based on available data, the classification criteria are not met.

. LD/LC50 values relevant for classification:		
646-06-0 1,3-dioxolane		
Oral	LD50	3000 mg/kg (rat)
Dermal	LD50	8480 mg/kg (rabbit)
Inhalative	LC50/4 h	20650 mg/l (rat)
78-93-3 butanone		
Oral	LD50	3300 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)
128-37-0 Butylated hydroxytoluene		
Oral	LD50	890 mg/kg (rat)

. Primary irritant effect:

. Skin corrosion/irritation

Based on available data, the classification criteria are not met.

. Serious eye damage/irritation

Causes serious eye irritation.

. Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

. Acute effects (acute toxicity, irritation and corrosivity)

Not applicable.

. Sensitisation

Not applicable.

. Repeated dose toxicity

Not applicable.

. CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

. Germ cell mutagenicity

Not applicable.

. Carcinogenicity

Based on available data, the classification criteria are not met.

. Reproductive toxicity

Based on available data, the classification criteria are not met.

. STOT-single exposure

May cause drowsiness or dizziness.

. STOT-repeated exposure

Based on available data, the classification criteria are not met.

. Aspiration hazard

Based on available data, the classification criteria are not met.

12 / Ecological information

. 12.1 Toxicity

. Aquatic toxicity:

No further relevant information available.

. 12.2 Persistence and degradability

No further relevant information available.

. 12.3 Bioaccumulative potential

No further relevant information available.

. 12.4 Mobility in soil

No further relevant information available.

. Additional ecological information:

. General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

. 12.5 Results of PBT and vPvB assessment

. PBT:

Not applicable.



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- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

13 / Disposal considerations

. 13.1 Waste treatment methods

. Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Disposal must be made according to official regulations.

. Uncleaned packaging:

. Recommendation:

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

* 14 / Transport information

. 14.1 UN-Number

. ADR/ADN, IMDG, IATA

UN1133

. 14.2 UN proper shipping name

. ADR/ADN

1133 ADHESIVES

. IMDG, IATA

ADHESIVES

. 14.3 Transport hazard class(es)

. ADR/ADN



. Class

3 (F1) Flammable liquids.

. Label

3

. IMDG, IATA



. Class

3 Flammable liquids.

. Label

3

. 14.4 Packing group

. ADR/ADN, IMDG, IATA

III

. 14.5 Environmental hazards:

. Marine pollutant:

No

. 14.6 Special precautions for user

Warning: Flammable liquids.

. Danger code (Kemler):

-

. EMS Number:

F-E,S-D

. Stowage Category

A

. 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

. Transport/Additional information:

. Quantity limitations

On passenger aircraft/rail: 60 L
On cargo aircraft only: 220 L

. ADR/ADN

. Limited quantities (LQ)

5L

. Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

. Transport category

3



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. Tunnel restriction code	E
. IMDG	
. Limited quantities (LQ)	5L
. Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
. Remarks:	Under certain conditions substances in Class 3 (flammable liquids) can be classified in packinggroup III. See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2
. UN "Model Regulation":	UN 1133 ADHESIVES, 3, III

15 / Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 - . **Directive 2012/18/EU**
 - . **Named dangerous substances - ANNEX I** None of the ingredients is listed.
 - . **Seveso category** P5c FLAMMABLE LIQUIDS
 - . **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5000 t
 - . **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50000 t
 - . **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
 - . **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
-

* 16 / Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

. **Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

. **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

. **Department issuing SDS:** Technical Assistance Tel: 33(0)2 32 79 58 00

. **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

. * **Data compared to the previous version altered.**
