

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.08.2022

Version number 3 (replaces version 2)

Revision: 26.08.2022

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

- 1.1 Product identifier

- Trade name: **IDROSTOP**

- UFI: N940-8047-G00D-RT30

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

- Life cycle stages C Consumer use

- Sector of Use SU21 Consumer uses: Private households / general public / consumers

- Product category PC1 Adhesives, sealants

- Application of the substance / the mixture Hydrophobing agent/ water repellent

- Uses advised against

The mixture is not recommended for industrial, professional and consumer applications not specified as relevant identified uses

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

MA-FRA S.p.A. a Socio Unico

Via Aquileia, 44/46

20021 Baranzate (MI) ITALIA

Tel. +39 023569981

www.mafra.com

mafra@mafra.it

- Informing department:

info@mafra.it

E-mail: lab@mafra.it

- 1.4 Emergency telephone number: In case of accident call the emergency number 112

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008



flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

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

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- Hazard pictograms

GHS02 GHS07 GHS09

- Signal word Danger**- Hazard-determining components of labelling:**

Hydrocarbons, C6, isoalkanes

- Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

- Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****- 3.2 Mixtures****- Description:** Mixture of substances**- Dangerous components:**

| | | |
|--|---|---------|
| CAS: 64742-49-0 EINECS: 265-151-9 Reg.nr.: 012119484651-34 | Hydrocarbons, C6, isoalkanes Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336 | 70-100% |
| CAS: 123-86-4 EINECS: 204-658-1 | n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066 | 3-5% |
| CAS: 74-98-6 EINECS: 200-827-9 | propane liquefied Flam. Gas 1A, H220; Press. Gas (Comp.), H280 | 3-5% |
| CAS: 106-97-8 EINECS: 203-448-7 | butane, pure Flam. Gas 1A, H220; Press. Gas (Comp.), H280 | 3-5% |
| CAS: 124-38-9 EINECS: 204-696-9 | carbon dioxide Press. Gas (Liq.), H280 | 3-5% |

- Additional information For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****- 4.1 Description of first aid measures****- General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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- **After inhalation**
Supply fresh air; consult doctor in case of symptoms.
Call a doctor immediately.
Supply fresh air.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Call a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
Dazed
Unconsciousness
- **4.3 Indication of any immediate medical attention and special treatment needed**
If swallowed, gastric irrigation
Medical supervision for at least 48 hours

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, sand, extinguishing powder. Do not use water.
CO₂. Do not use water.
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents**
Water.
Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Can be released in case of fire
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Protection means for respiratory tract
- **Additional information**
Cool endangered containers with water spray jet.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Keep people at a distance and stay on the windward side.
Keep away from ignition sources
Protective gloves. (EN 374)
- **For non-emergency personnel**
Ensure adequate ventilation
Keep away from ignition sources
Wear protective clothing.
- **For emergency responders**
PVC gloves
Nitrile rubber, NBR
- **6.2 Environmental precautions:**
Inform respective authorities in case product reaches water or sewage system.
Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

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Dispose of the material collected according to regulations.

- 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 information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

Use only in well ventilated areas.

Ensure good ventilation/exhaustion at the workplace.

Open and handle container with care.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not eat, drink or smoke while working.

- Information about protection against explosions and fires:

Do not spray on flames or red-hot objects.

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.

- 7.2 Conditions for safe storage, including any incompatibilities**- Storage****- Requirements to be met by storerooms and containers:**

Store in cool location.

Store only in the original container.

Observe official regulations on storing packagings with pressurised containers.

- Information about storage in one common storage facility: Not required.**- Further information about storage conditions:**

Keep container tightly sealed.

Do not seal container gastight.

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

- Class according to regulation on inflammable liquids: Void**- 7.3 Specific end use(s) No further relevant information available.**

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters**- Components with limit values that require monitoring at the workplace:****123-86-4 n-butyl acetate**

WEL Short-term value: 966 mg/m³, 200 ppm

Long-term value: 724 mg/m³, 150 ppm

106-97-8 butane, pure

WEL Short-term value: 1810 mg/m³, 750 ppm

Long-term value: 1450 mg/m³, 600 ppm

Carc (if more than 0.1% of buta-1.3-diene)

124-38-9 carbon dioxide

WEL Short-term value: 27400 mg/m³, 15000 ppm

Long-term value: 9150 mg/m³, 5000 ppm

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| - DNELs | | |
|--|-----------------------------|--|
| 64742-49-0 Hydrocarbons, C6, isoalkanes | | |
| Oral | Systemic Long-term Effects | 1,301 mg/Kg bw/day (Consumers) |
| Dermal | Systemic long-term effects | 13,964 mg/Kg bw/day (Industrial Workers) |
| Inhalative | Systemic long-term effects | 1,377 mg/Kg bw/day (Consumers) |
| | | 5,306 mg/m ³ (Industrial Workers) |
| Inhalative | Systemic long-term effects | 1,137 mg/m ³ (Consumers) |
| | | 1,137 mg/m ³ (Consumers) |
| 123-86-4 n-butyl acetate | | |
| Inhalative | Local long-term effects | 300 mg/m ³ (Industrial Workers) |
| | Local short-term effects | 600 mg/m ³ (Industrial Workers) |
| | Systemic long-term effects | 300 mg/m ³ (Industrial Workers) |
| | Systemic Short-term Effects | 600 mg/m ³ (Industrial Workers) |

- **Additional information:** The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see item 7.

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures**

Do not eat, drink or smoke while working.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

- **Breathing equipment:** Not necessary if room is well-ventilated.

- **Hand protection**

Solvent resistant gloves



Protective gloves. (EN 374)

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**

PVC gloves

Nitrile rubber, NBR

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection**



Tightly sealed safety glasses.

- **Environmental exposure controls** Disposal must be made according to official regulations.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- **General Information**

- **Physical state**

Aerosol

- **Colour:**

Colourless

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Not determined

- **Boiling point or initial boiling point and boiling range**

138 °C (64742-49-0 Hydrocarbons, C6, isoalkanes)

- **Flammability**

Not applicable.

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| | |
|---|---|
| - Lower and upper explosion limit | |
| - Lower: | 1.3 Vol % |
| - Upper: | 10.5 Vol % |
| - Flash point: | -36 °C |
| - Ignition temperature: | 405 °C |
| - Decomposition temperature: | Not determined. |
| - pH | Mixture is non-soluble (in water). |
| - Viscosity: | |
| - Kinematic viscosity | Not determined. |
| - dynamic: | Not determined. |
| - Solubility | |
| - Water: | Not miscible or difficult to mix |
| - Partition coefficient n-octanol/water (log value) | Not determined. |
| - Vapour pressure at 20 °C: | 3.1 hPa (64742-49-0 Hydrocarbons, C6, isoalkanes) |
| - Density and/or relative density | |
| - Density at 20 °C | 0.76 g/cm ³ |
| - Relative density | Not determined. |
| - Vapour density | Not determined. |

| | |
|---|------------------------------|
| - 9.2 Other information | |
| - Appearance: | |
| - Form: | Aerosol |
| - Important information on protection of health and environment, and on safety. | |
| - Self-inflammability: | Product is not selfigniting. |
| - Explosive properties: | Not determined. |
| - Change in condition | |
| - Evaporation rate | Not applicable. |

| | |
|---|--|
| - Information with regard to physical hazard classes | |
| - Explosives | Void |
| - Flammable gases | Void |
| - Aerosols | Extremely flammable aerosol. Pressurised container: May burst if heated. |
| - Oxidising gases | Void |
| - Gases under pressure | Void |
| - Flammable liquids | Void |
| - Flammable solids | Void |
| - Self-reactive substances and mixtures | Void |
| - Pyrophoric liquids | Void |
| - Pyrophoric solids | Void |
| - Self-heating substances and mixtures | Void |
| - Substances and mixtures, which emit flammable gases in contact with water | Void |
| - Oxidising liquids | Void |
| - Oxidising solids | Void |
| - Organic peroxides | Void |
| - Corrosive to metals | Void |
| - Desensitised explosives | Void |

SECTION 10: Stability and reactivity

- 10.1 Reactivity Stable under normal conditions
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions
 - Explosive
 - Develops readily flammable gases / fumes

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Flammable

- **10.4 Conditions to avoid** No further relevant information available.- **10.5 Incompatible materials:**

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised

- **10.6 Hazardous decomposition products:** No dangerous decomposition products known**SECTION 11: Toxicological information**- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**- **Acute toxicity**- **LD/LC50 values that are relevant for classification:****64742-49-0 Hydrocarbons, C6, isoalkanes**

Oral LD50 >2,000 mg/Kg (Mouse)

Dermal LD50 >2,000 mg/Kg (Mouse)

123-86-4 n-butyl acetate

Oral LD50 14,000 mg/Kg (Rat)

Dermal LD50 >5,000 mg/Kg (Rabbit)

- **Skin corrosion/irritation** Causes skin irritation.- **STOT-single exposure** May cause drowsiness or dizziness.- **Aspiration hazard** May be fatal if swallowed and enters airways.- **11.2 Information on other hazards**- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information- **12.1 Toxicity**- **Aquatic toxicity:****64742-49-0 Hydrocarbons, C6, isoalkanes**

EC50 (72h) 55 mg/L (Algae)

123-86-4 n-butyl acetate

LC50 (4 h) >21 mg/L (Rat)

- **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.- **12.5 Results of PBT and vPvB assessment**- **PBT:** Not applicable.- **vPvB:** Not applicable.- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.- **12.7 Other adverse effects**- **Additional ecological information:**- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

SECTION 13: Disposal considerations- **13.1 Waste treatment methods**- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- Uncleaned packagings:**- Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****- 14.1 UN number or ID number****- ADR, IMDG, IATA**

UN1950

- 14.2 UN proper shipping name**- ADR**

AEROSOLS, ENVIRONMENTALLY HAZARDOUS

- IMDG

AEROSOLS, MARINE POLLUTANT

- IATA

AEROSOLS, flammable

- 14.3 Transport hazard class(es)**- ADR****- Class**

2.5F Gases.

- Label

2.1

- IMDG**- Class**

2.1 Gases.

- Label

2.1

- IATA**- Class**

2.1 Gases.

- Label

2.1

- 14.4 Packing group**- ADR, IMDG, IATA**

Void

- 14.5 Environmental hazards:Product contains environmentally hazardous substances:
Hydrocarbons, C6, isoalkanes**- Marine pollutant:**

Yes

Symbol (fish and tree)

- Special marking (ADR):

Symbol (fish and tree)

- 14.6 Special precautions for user

Warning: Gases.

- Kemler Number:

-

- EMS Number:

F-D,S-U

- Stowage Code

SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

- Segregation Code

SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.

For AEROSOLS with a capacity above 1 litre:

Segregation as for the appropriate subdivision of class 2.

For WASTE AEROSOLS:

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- Segregation as for the appropriate subdivision of class 2.

- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.- **Transport/Additional information:**- **ADR**- **Limited quantities (LQ)**

1L

- **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

- **Transport category**

2

- **Tunnel restriction code**

D

- **IMDG**- **Limited quantities (LQ)**

1L

- **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

SECTION 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**

P3a FLAMMABLE AEROSOLS

E2 Hazardous to the Aquatic Environment

- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t- **National regulations**- **Classification according to VbF:** Void- **Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| III | 82.3 |
| NK | 12.9 |

- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- **Relevant phrases**

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure, may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

- **Department issuing data specification sheet:** Ma-Fra Laboratories- **Contact:** lab@mafra.it- **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

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*ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)**DNEL: Derived No-Effect Level (UK REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Flam. Gas 1A: Flammable gases – Category 1A**Aerosol 1: Aerosols – Category 1**Press. Gas (Comp.): Gases under pressure – Compressed gas**Press. Gas (Liq.): Gases under pressure – Liquefied gas**Flam. Liq. 2: Flammable liquids – Category 2**Flam. Liq. 3: Flammable liquids – Category 3**Skin Irrit. 2: Skin corrosion/irritation – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2***- * Data compared to the previous version altered.**

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