

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 26.11.2021

Version number 14 (replaces version 13)


Revision: 26.11.2021

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

- **1.1 Product identifier**
- **Trade name:** TECHNO HUILE CODEX
  
- **Article number:** 30716
- **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** Lubricant  
Restricted to professional users.
  
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** IPC  
10, quai Malbert CS71821  
29218 BREST CEDEX 2  
Tél : 02.98.43.45.44  
Courriel : ipc@groupe-ipc.com  
Email : securite@tec-industries.com
  
- **1.4 Emergency telephone number:** Poison Control Centre : 0845 4647

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
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 CLP regulation.
- **Hazard pictograms**



GHS02
- **Signal word** Danger
- **Hazard-determining components of labelling:** Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics.
- **Hazard statements** H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- **Precautionary statements**
  - 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.
  - 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 regulations.
- **Additional information:** EUH066 Repeated exposure may cause skin dryness or cracking.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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 · **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

 · **Description:** Lubricant  
Active substance with propellant

#### · **Dangerous components:**

EC number: 918-167-1 Reg.nr.: 01-2119472146-39	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics. ☠ Asp. Tox. 1, H304, EUH066	50-100%
CAS: 124-38-9 EINECS: 204-696-9 Reg.nr.: Note 1	carbon dioxide ⚠ Press. Gas (Liq.), H280	2.5-5%

 · **Additional information:** Note P  
Contains less than 0,1% benzene.  
Note 1: Listed in Annex IV / V REACH, exempted from registration  
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:** Seek immediate medical advice.  
Immediately remove any clothing soiled by the product.
   
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
   
· **After skin contact:** Wash with water and soap and rinse thoroughly.
   
· **After eye contact:** After incidental contact, rinse eyes with plenty of clear water.
   
· **After swallowing:** Do not induce vomiting; call for medical help immediately.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

#### · 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.

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

 · **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.  
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

 Heat (or fire) will increase pressure and may lead to the receptacle bursting.  
Formation of toxic gases is possible during heating or in case of fire.  
Carbon monoxide and carbon dioxide  
Hydrocarbons

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- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.  
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** Not applicable, as aerosol.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.  
Send for recovery or disposal in suitable receptacles.
- **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.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.  
Keep away from heat and direct sunlight.  
Take note of emission threshold.
- **Information about fire - and explosion protection:** Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Do not spray onto a naked flame or any incandescent material.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.  
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Do not store together with oxidising and acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions.  
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
- **7.3 Specific end use(s)** [www.huilecodex.com](http://www.huilecodex.com)

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Ingredients with limit values that require monitoring at the workplace:

##### 124-38-9 carbon dioxide

WEL	Short-term value: 27400 mg/m <sup>3</sup> , 15000 ppm Long-term value: 9150 mg/m <sup>3</sup> , 5000 ppm
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**Additional information:** The lists valid during the making 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:**

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

Immediately remove all soiled and contaminated clothing

Wash hands before drinking, eating or smoking.

Wearing of Personal Protective Equipment (PPE) required for all persons with allergies.

**Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

**Hand protection**



Protective 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

Wear protective glove in case of permanent contact

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

**Penetration time of glove material**

The exact breakthrough time of the glove material has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection**



Safety glasses

**Body protection:**

Use protective suit.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

**General Information**

**Physical state**

Fluid

**Colour:**

Colourless

**Odour:**

Petroleum-like

**Odour threshold:**

Not determined.

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· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Boiling point or initial boiling point and boiling range</b>	180 °C
· <b>Flammability</b>	Not applicable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	0.6 Vol %
· <b>Upper:</b>	6.0 Vol %
· <b>Flash point:</b>	Not applicable, as aerosol.
· <b>Auto-ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>Dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density and/or relative density</b>	
· <b>Density at 25 °C:</b>	0.795 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>9.2 Other information</b>	Physical and chemical properties of the active ingredient without gas.
· <b>Appearance:</b>	
· <b>Form:</b>	Aerosol
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	>230 °C
· <b>Explosive properties:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>VOC (EC)</b>	58.2 %
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not applicable.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Extremely flammable aerosol. Pressurised container: May burst if heated. Combustion heat : 45 kJ/g
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void

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· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** None when normally used.
- **10.4 Conditions to avoid** Heat, flames and sparks.  
Avoid the accumulation of electrostatic charges.  
Temperature > 50°C.
- **10.5 Incompatible materials:** Materials to avoid: strong acids, oxidizing
- **10.6 Hazardous decomposition products:** No decomposition if used and stored according to specifications.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

#### Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics.

Oral	LD50.	>5,000 mg/kg (Rat) (OCDE 401)
Dermal	LD50.	>5,000 mg/kg (rabbit) (OCDE 402)
Inhalative	LC50/8h.	>5,000 mg/kg (Rat) (OCDE 403)

- **Skin corrosion/irritation** Repeated exposure may cause skin dryness or cracking.
- **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:**

#### Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics.

NOEC	0.011 mg/l (Daphnia) (OECD 211)
NOELR	1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
	0.103 mg/l (Oncorhynchus mykiss)
EL 50 (48h)	>1,000 mg/l (Daphnia) (OECD 202)
LL50 (96h)	>1,000 mg/l (Oncorhynchus mykiss) (OECD 203)
ErL50 (72h)	>1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EbL50 (72h)	>1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

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- **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:** Do not allow product to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Send to an approved waste facility.  
Do not allow product to reach sewage system or any water course.
- **Uncleaned packaging:**
- **Recommendation:** Send to an approved waste facility.  
Disposal must be made according to official regulations.  
Do not pierce or burn, even after use.

### SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR** UN1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **14.3 Transport hazard class(es)**
- **ADR**
- 
- **Class** 2.5F Gases.
- **Label** 2.1
- **IMDG, IATA**
- 
- **Class** 2.1

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· <b>Label</b>	2.1
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Stowage Code</b>	Warning: Gases. - F-D,S-U 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.
· <b>Segregation Code</b>	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: Segregation as for the appropriate subdivision of class 2.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	1L Code: E0 Not permitted as Excepted Quantity
· <b>Transport category</b> · <b>Tunnel restriction code</b>	2 D
· <b>IMDG</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	1L Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN1950, AEROSOLS, 2.1

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t

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- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

- **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

### SECTION 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.

Shelf-life : 24 months from the date it was manufactured.

NSF REGISTERED : Registration n°126568 - Category code H1.

- **Relevant phrases**
  - H280 Contains gas under pressure; may explode if heated.
  - H304 May be fatal if swallowed and enters airways.
  - EUH066 Repeated exposure may cause skin dryness or cracking.
- **Abbreviations and acronyms:**
  - ADR: Accord relatif au transport international 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)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - SVHC: Substances of Very High Concern
  - vPvB: very Persistent and very Bioaccumulative
  - Aerosol 1: Aerosols – Category 1
  - Press. Gas (Liq.): Gases under pressure – Liquefied gas
  - Asp. Tox. 1: Aspiration hazard – Category 1
- **\* Data compared to the previous version altered.**