

# Safety data sheet

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

Printing date 25.06.2019

Version number 13


Revision: 25.06.2019

### 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 - CS 71821  
F- 129218 BREST CEDEX 2  
Phone : 00.33.298.43.45.44  
Fax : 00.33.298.44.22.53  
Email : ipc@groupe-ipc.com
  
- **1.4 Emergency telephone number:** ORFILA (INRS) : +33 (0)1 45 42 59 59

### 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	50-100%
CAS: 124-38-9 EINECS: 204-696-9 Reg.nr.: Note 1	carbon dioxide ⚠ Press. Gas R, H281	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:** Rinse opened eye for several minutes under running 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)** No further relevant information available.

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### SECTION 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:**

**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**

· **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

· **Protection of hands:**



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.

· **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 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**

· **Appearance:**

**Form:**

Aerosol

**Colour:**

Colourless

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· <b>Odour:</b>	Petroleum-like
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	180 °C
· <b>Flash point:</b>	62 °C (NF EN 22719)
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Ignition temperature:</b>	>230 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Not determined.
· <b>Explosive properties:</b>	Not determined.
· <b>Explosion limits:</b>	
<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	6.0 Vol %
· <b>Vapour pressure:</b>	Not determined.
· <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>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>VOC (EC)</b>	58.2 %
· <b>9.2 Other information</b>	Physical and chemical properties of the active ingredient without gas.

### SECTION 10: Stability and reactivity

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>· <b>10.1 Reactivity</b></li> <li>· <b>10.2 Chemical stability</b></li> <li>· <b>Thermal decomposition / conditions to be avoided:</b></li> <li>· <b>10.3 Possibility of hazardous reactions</b></li> <li>· <b>10.4 Conditions to avoid</b></li> <li>· <b>10.5 Incompatible materials:</b></li> </ul> | <p>No further relevant information available.</p> <p>No decomposition if used and stored according to specifications.</p> <p>None when normally used.<br/>Heat, flames and sparks.<br/>Avoid the accumulation of electrostatic charges.<br/>Temperature &gt; 50°C.</p> <p>Materials to avoid: strong acids, oxidizing</p> |
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**10.6 Hazardous decomposition products:**

No decomposition if used and stored according to specifications.

### SECTION 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:**
**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)

**Primary irritant effect:**
**Skin corrosion/irritation** Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** May be fatal if swallowed and enters airways.

### 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)

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

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.

**vPvB:** Not applicable.

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 · **12.6 Other adverse effects** No further relevant information available.

### 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**

 · **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**

2.2

 · **Label**

2.1

 · **14.4 Packing group**

 · **ADR, IMDG, IATA**

Void

 · **14.5 Environmental hazards:**

 · **Marine pollutant:**

No

 · **14.6 Special precautions for user**

Warning: Gases.

 · **Danger code (Kemler):**

-

 · **EMS Number:**

F-D,S-U

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

Not applicable.

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**· Transport/Additional information:**

<b>· ADR</b>	
· Limited quantities (LQ)	1L
· Transport category	3
· Tunnel restriction code	D
<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
- 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.

### 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** H281 Contains refrigerated gas; may cause cryogenic burns or injury.  
H304 May be fatal if swallowed and enters airways.
- **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)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Aerosol 1: Aerosols – Category 1  
Press. Gas R: Gases under pressure – Refrigerated liquefied gas  
Asp. Tox. 1: Aspiration hazard – Category 1

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