

# TECHNO DEGRAISSANT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 3/27/2014 Revision date: 6/28/2016 Supersedes: 3/27/2014 Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : TECHNO DEGRAISSANT  
Product code : 303602  
Type of product : Detergent  
Product identification : Aerosol

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Degreasing, cleaning, deoxidizing for pads and brake systems.

##### 1.2.2. Uses advised against

No additional information available

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

IPC SAS  
10 QUAI MALBERT - CS 71821 29218 BREST CEDEX 2 - FRANCE  
T 00 33 (0)2-98-43-45-44 - F 00 33 (0)2-98-44-22-53  
ipc@ipc-sa.com - www.ipc-sa.com

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol 1	H222;H229
Skin Irrit. 2	H315
STOT SE 3	H336
Aquatic Chronic 2	H411

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazardous ingredients : Hydrocarbons, C6, isoalkanes, <5% n-hexane; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Hazard statements (CLP) : H222 - Extremely flammable aerosol.  
H229 - 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 (CLP) : 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.

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P260 - Do not breathe spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves.  
P302+P352 - IF ON SKIN: Wash with plenty of water/....  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Extra phrases

: For professional use only.  
Not to be used for any purpose other than the one the product was designed for.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	(EC-No.) 921-024-6 (REACH-no) 01-2119475514-35	80 - 90	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Hydrocarbons, C6, isoalkanes, <5% n-hexane	(EC-No.) 931-254-9 (REACH-no) 01-2119484651-34	10 - 20	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Carbon dioxide substance with a Community workplace exposure limit	(CAS-No.) 124-38-9 (EC-No.) 204-696-9 (REACH-no) exempté d'enregistrement	5 - 8	Press. Gas (Comp.), H280
n-hexane	(CAS-No.) 110-54-3 (EC-No.) 203-777-6 (EC Index-No.) 601-037-00-0	0.1 - 0.5	Flam. Liq. 2, H225 Repr. 2, H361f Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
n-hexane	(CAS-No.) 110-54-3 (EC-No.) 203-777-6 (EC Index-No.) 601-037-00-0	(C >= 5) STOT RE 2, H373

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact : Take off immediately all contaminated clothing. Wash with plenty of water/.... Seek medical attention if ill effect or irritation develops.

First-aid measures after eye contact : Obtain medical attention if pain, blinking or redness persists. In case of eye contact, immediately rinse with clean water for 10-15 minutes.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Allow the victim to rest.

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

Symptoms/effects after inhalation : Inhalation of vapour can cause breathing difficulties. Vapours may cause drowsiness and dizziness.

Symptoms/effects after skin contact : Irritating to skin.

Symptoms/effects after eye contact : May cause irritation to the eyes.

Symptoms/effects after ingestion : Ingestion unlikely.

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

Advice to physicians: Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Carbon dioxide. Water spray. Dry powder.  
Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : Extremely flammable aerosol.  
Explosion hazard : Pressurised container: May burst if heated.  
Reactivity in case of fire : Prevent fire fighting water from entering the environment.  
Hazardous decomposition products in case of fire : Incomplete combustion and thermolysis produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

#### 5.3. Advice for firefighters

Precautionary measures fire : Do not enter fire area without proper protective equipment, including respiratory protection.  
Firefighting instructions : During a fire, projections ignited aerosol that burst under excessive pressure have to be controlled. To avoid overpressure, cool aerosols with water. Exercise caution when fighting any chemical fire. Evacuate area.

### SECTION 6: Accidental release measures

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

General measures : Measures to take in the case of crushing or piercing aerosols, causing the leaking of products contained in aerosols. Ventilate area. Do not smoke. Remove ignition sources. Provide local exhaust or general room ventilation. Evacuate and limit access.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Do not touch spilled material. Evacuate area.

##### 6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment. Provide adequate ventilation. Remove all sources of ignition. Avoid contact with skin and eyes. Do not inhale vapour.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Collect the residue by means of a non-combustible absorbent material. Sand. Earth. Vermiculite.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Good ventilation of the workplace required. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Not to be used for any purpose other than the one the product was designed for. Do not breathe gas, fumes, vapour or spray. During the handling of a pallet, you have to take all precaution to avoid a start of an accident perforation of the aerosol by a fork-lift truck. During the load and unloading of the vehicle, you have to take all the precaution to avoid a fall a aerosol. Do not spray the aerosol neither close nor towards a flame, a white-hot body, an electrical appliance in running, DO NOT SMOCKING. Container under pressure. Do not drill or burn even after use. Store and handle as though always a serious potential fire/explosion and health hazard exists.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Technical measures : Keep at temperature not exceeding 50°C. Proper grounding procedures to avoid static electricity should be followed. Use grounded electrical/mechanical equipment.

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Storage conditions : Recommendations applicable to warehouses and reserves which are stored aerosols. It is recommended to de-normalize aerosols in stock . The " aerosol " or area must be set with a wire mesh of mesh max 5cm, forming a cage or using walls to avoid splashing the aerosols may ignite rest of the stock . Do not smoke.

To reduce the risk of falling, should position the pallet closest to the ground. If the packages are stacked, it should ensure that those lower layers do not crash (risk of leakage through compression).  
It is recommended :  
- Ventilate the premises and not store any sprays near heat sources, including sunlight, sparks and open flames  
- To use the procedure of fire when working . Store in a dry, well ventilated place .

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

n-hexane (110-54-3)		
EU	Local name	n-Hexane
EU	IOELV TWA (mg/m <sup>3</sup> )	72 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	20 ppm
France	Local name	n-Hexane
France	VME (mg/m <sup>3</sup> )	72 mg/m <sup>3</sup>
France	VME (ppm)	20 ppm
France	Note (FR)	Valeurs réglementaires contraignantes; substance classée toxique pour la reproduction de catégorie 2
Carbon dioxide (124-38-9)		
EU	Local name	Dioxyde de carbone
EU	IOELV TWA (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	5000 ppm
Hydrocarbons, C6, isoalkanes, <5% n-hexane		
France	VME (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
France	VLE (mg/m <sup>3</sup> )	1500 mg/m <sup>3</sup>
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
France	VME (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
France	VLE (mg/m <sup>3</sup> )	1500 mg/m <sup>3</sup>

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer.

#### Eye protection:

Eye protection should only be necessary where liquid could be splashed or sprayed

#### Skin and body protection:

Skin protection appropriate to the conditions of use should be provided

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Other information:

Do not eat, drink or smoke during use. Provide local exhaust or general room ventilation.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Colour : Colourless.  
Odour : characteristic.

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Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 55 °C (PA)
Flash point	: < 0 °C (PA)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.68 (PA)
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Pressurised container: May burst if heated.
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content : 662.5 g/l (94.6%)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions. Extremely flammable aerosol. Heating may cause a fire or explosion.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

Open flame. Heat. Direct sunlight. Sparks. Avoid the build-up of electrostatic charge. Remove all sources of ignition. Avoid contact with hot surfaces.

### 10.5. Incompatible materials

Strong oxidizers. Aerosol cases in metal, do not bring into contact with oxidize, acids or basis.

### 10.6. Hazardous decomposition products

Incomplete combustion and thermolysis produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Hydrocarbons, C6, isoalkanes, <5% n-hexane	
LD50 oral rat	> 16750 mg/kg
LD50 dermal rabbit	> 3350 mg/kg
LC50 inhalation rat (mg/l)	> 259354 mg/m <sup>3</sup>
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
LD50 oral rat	5840 mg/kg
LD50 dermal rat	> 2920 mg/kg
LC50 inhalation rat (mg/l)	> 25200 mg/m <sup>3</sup>

Skin corrosion/irritation	: Causes skin irritation.
Additional information	: Based on available data, the classification criteria are not met

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Serious eye damage/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

STOT-single exposure	: May cause drowsiness or dizziness.
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### DEGRAISSANT FREINS

Product identification	Aerosol
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Potential adverse human health effects and symptoms : Eye contact : Stinging and temporary redness. Repeated exposure may cause skin dryness or cracking. Nausea. May be irritating to the mucous membranes and to the respiratory system.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid release to the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Toxic to aquatic life with long lasting effects.

### Hydrocarbons, C6, isoalkanes, <5% n-hexane

LC50 fish 1	18.3 mg/l
EC50 Daphnia 1	31.9 mg/l
EC50 72h algae (1)	13.6 mg/l
NOEC chronic fish	4.09 mg/l
NOEC chronic crustacea	7.14 mg/l
NOEC chronic algae	3 mg/l

### 12.2. Persistence and degradability

#### Hydrocarbons, C6, isoalkanes, <5% n-hexane

Biodegradation	98 % Readily biodegradable
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### 12.3. Bioaccumulative potential

#### Hydrocarbons, C6, isoalkanes, <5% n-hexane

Log Pow	3.6
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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : No other effects known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose used or damaged aerosol cans at permitted disposal sites. Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use.
Ecology - waste materials	: Avoid release to the environment.

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### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
1950	1950	1950	1950	1950
<b>14.2. UN proper shipping name</b>				
AEROSOLS	AEROSOLS	AEROSOLS, FLAMMABLE	AEROSOLS	AEROSOLS
<b>Transport document description</b>				
UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONM ENTALLY HAZARDOUS	UN 1950 AEROSOLS, FLAMMABLE, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS
<b>14.3. Transport hazard class(es)</b>				
2.1	2.1	2.1	2.1	2.1
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 11
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP02
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

#### - Transport by sea

No data available

#### - Air transport

No data available

#### - Inland waterway transport

No data available

#### - Rail transport

No data available

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

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 662.5 g/l (94.6%)

Other information, restriction and prohibition regulations : Aerosol Generator Directive 75/324/EEC and its adaptations. Regulation 648/2004 / EC and its adaptations of detergents.

Detergent Regulation : Labelling of contents:

Component	%
aliphatic hydrocarbons	>=30%

##### 15.1.2. National regulations

###### France

Occupational diseases : RG 84 - Affections engendrées par les solvants organiques liquides à usage professionnel

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Danger labels (ADN)	Added	
	Proper Shipping Name (RID)	Added	
	Hazard labels (IATA)	Added	
	Proper Shipping Name (IATA)	Added	
	Flash point (IMDG)	Added	
	Proper Shipping Name (IMDG)	Added	
	Danger labels (IMDG)	Added	
	Special provisions for carriage - Operation (ADR)	Added	
	Special provisions for carriage - Loading, unloading and handling (ADR)	Added	
	Special provisions for carriage - Packages (ADR)	Added	
	Mixed packing provisions (ADR)	Added	
	Special packing provisions (ADR)	Added	
	Packing instructions (ADR)	Added	
	Supersedes	Added	
	Revision date	Modified	
	SDS EU format	Modified	
2.1	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Removed	
2.2	Precautionary statements (CLP)	Modified	
2.2	R-phrases	Removed	
2.2	Hazard symbols	Removed	
5.2	Explosion hazard	Added	
8.2	Appropriate engineering controls	Added	
8.2	Hand protection	Modified	
9.1	Explosive properties	Added	
10.1	Reactivity	Added	
10.2	Chemical stability	Modified	
10.4	Conditions to avoid	Modified	
13.1	Waste disposal recommendations	Modified	
14.2	Proper Shipping Name (ADN)	Added	



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Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : Imp. DL4.

Full text of H- and EUH-statements:

Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
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.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*