

TECHNO DEGRAISSANT NSF

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 15/04/2014

Revision date: 15/04/2014

Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : TECHNO DEGRAISSANT NSF
Product code : 30361
Type of product : Detergent
Identification of the product : 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 : Degreaser rapid evaporation, used in the food industry
Function or use category : Category H1, NSF Registration N° : Category : A8 K1

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

IPC
10 quai Malbert - CS 71821
29218 BREST CEDEX 2 - FRANCE
T 02-98-43-45-44 - F 02-98-44-22-53
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

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

R66

F+; R12

Full text of R-phrases: 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) :



GHS02

Signal word (CLP) :

Danger

Hazard statements (CLP) :

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

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
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P271 - Use only outdoors or in a well-ventilated area

TECHNO DEGRAISSANT NSF

Safety Data Sheet

according to Regulation (EC) No. 453/2010

P260 - Do not breathe spray	
EUH phrases	: EUH066 - Repeated exposure may cause skin dryness or cracking
Extra phrases	: Not to be used for any purpose other than the one the product was designed for For professional use only

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
	(CAS No) 90622-57-4 (EC no) 918-167-1 (REACH-no) 01-2119472146-39	100	R66 Xn; R65
Carbon dioxide	(CAS No) 124-38-9 (EC no) 204-696-9 (REACH-no) exempté d'enregistrement	1 - 5	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
	(CAS No) 90622-57-4 (EC no) 918-167-1 (REACH-no) 01-2119472146-39	100	Flam. Liq. 3, H226 Asp. Tox. 1, H304
Carbon dioxide	(CAS No) 124-38-9 (EC no) 204-696-9 (REACH-no) exempté d'enregistrement	1 - 5	Not classified

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: Remove contaminated clothing and shoes. Wash with plenty of soap and water. Obtain medical attention if irritation persists.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
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/injuries after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/injuries after skin contact	: Repeated exposure may cause skin dryness or cracking.
Symptoms/injuries after eye contact	: May cause mild, temporary discomfort.
Symptoms/injuries after ingestion	: Ingestion unlikely.

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

Advice to physicians: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Foam. Dry powder. Water spray.
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.
Reactivity in case of fire	: Prevent fire-fighting water from entering environment.
Hazardous decomposition products in case of fire	: Thermal decomposition generates : Carbon oxides (CO, CO2).

5.3. Advice for firefighters

Precautionary measures fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
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TECHNO DEGRAISSANT NSF

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Firefighting instructions : Exercise caution when fighting any chemical fire. During a fire, projections ignited aerosol that burst under excessive pressure have to be controlled. To avoid overpressure, cool aerosols with water. 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. Remove ignition sources. Ventilate area. No smoking. 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

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean spills promptly. Collect the residue by means of a non-combustible absorbent material.

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 a n 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.

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 data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

(90622-57-4)		
France	VME (mg/m ³)	1200 mg/m ³
France	VME (ppm)	177 ppm
Carbon dioxide (124-38-9)		
EU	Local name	Dioxyde de carbone
EU	IOELV TWA (mg/m ³)	9000 mg/m ³
EU	IOELV TWA (ppm)	5000 ppm

TECHNO DEGRAISSANT NSF

Safety Data Sheet

according to Regulation (EC) No. 453/2010

8.2. Exposure controls

Hand protection	: Wear suitable gloves tested to EN374.
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	: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
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	: weak.
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	: No data available
Flash point	: > 40 °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	: 0,76 (PA)
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: 775 g/l (96.3%)
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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Open flame. Sparks. Direct sunlight. Heat.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
	Based on available data, the classification criteria are not met

TECHNO DEGRAISSANT NSF

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
	Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
	Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified
	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
	Based on available data, the classification criteria are not met

DEGRAISSANT ALIMENTAIRE NSF

Identification of the product	Aerosol
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Potential adverse human health effects and symptoms	: Prolonged or repeated contacts may cause dermatitis by loss of natural skin fats. Long-term exposure at high concentration may cause : Dizziness. Headache. Irritation of respiratory tract. Drowsiness.
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SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

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

: Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose used or damaged aerosol cans at permitted disposal sites. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR)	: 1950
UN-No. (IMDG)	: 1950
UN-No.(IATA)	: 1950
UN-No.(ADN)	: 1950
UN-No. (RID)	: 1950

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: AEROSOLS
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

TECHNO DEGRAISSANT NSF

Safety Data Sheet

according to Regulation (EC) No. 453/2010

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 2.1
Hazard labels (ADR) : 2.1



IMDG

Transport hazard class(es) (IMDG) : 2

IATA

Transport hazard class(es) (IATA) : 2

ADN

Transport hazard class(es) (ADN) : 2

RID

Transport hazard class(es) (RID) : 2.1
Danger labels (RID) : 2.1



14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR) : 5F
Special provisions (ADR) : 190, 327, 344, 625
Limited quantities (ADR) : 1L
Excepted quantities (ADR) : E0
Transport category (ADR) : 2
Tunnel restriction code (ADR) : D

14.6.2. Transport by sea

14.6.3. Air transport

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Classification code (RID) : 5F
Carriage prohibited (RID) : No

TECHNO DEGRAISSANT NSF

Safety Data Sheet

according to Regulation (EC) No. 453/2010

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

VOC content : 775 g/l (96.3%)

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

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 R-, H- and EUH-phrases:

Aerosol 1	Aerosol, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
H222	Extremely flammable aerosol
H226	Flammable liquid and vapour
H229	Pressurised container: May burst if heated
H304	May be fatal if swallowed and enters airways
R12	Extremely flammable
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
F+	Extremely flammable
Xn	Harmful

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