

TECHNO DEGRIPPANT

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Date of issue: 4/24/2014 Revision date: 11/30/2017 Supersedes: 6/15/2017 Version: 2.2

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

1.1. Product identifier

Product form : Mixture
Product name : TECHNO DEGRIPPANT
Product code :
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 : Penetrating, deoxidizer, tar remover scrubs, reducing anti moisture anti-corrosion lubricant friction.

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
STOT SE 3 H336

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) :



GHS02

GHS07

Signal word (CLP) :

Danger

Hazardous ingredients :

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statements (CLP) :

H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H336 - May cause drowsiness or dizziness.

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.
P260 - Do not breathe spray.
P271 - Use only outdoors or in a well-ventilated area.
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.

EUH-statements :

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

TECHNO DEGRIPPANT

Safety Data Sheet

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

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, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	(EC-No.) 919-857-5 (REACH-no) 01-2119463258-33	60 - 80	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycliques, <2% aromatiques	(CAS-No.) 64742-48-9 (EC-No.) 918-481-9 (EC Index-No.) 649-327-00-6 (REACH-no) 01-2119457273-39	10 - 20	Asp. Tox. 1, H304
Huile minerale blanche raffinée	(CAS-No.) 8042-47-5 (EC-No.) 232-455-8 (REACH-no) 01-2119487078-27	10 - 20	Asp. Tox. 1, H304
Carbon dioxide	(CAS-No.) 124-38-9 (EC-No.) 204-696-9 (REACH-no) exempté d'enregistrement	1 - 3	Press. Gas (Comp.), H280
p-Menth-1-en-8-ol	(CAS-No.) 8000-41-7 (EC-No.) 232-268-1 (REACH-no) 01-2119553062-49	< 3	Skin Irrit. 2, H315 Eye Irrit. 2, H319

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	: Remove contaminated clothing and shoes. Rinse immediately with plenty of water. Obtain medical attention if irritation persists.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Obtain medical attention if pain, blinking or redness persists.
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	: Vapours may cause drowsiness and dizziness.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects 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. Powder. Sand. 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.
Explosion hazard	: Pressurised container: May burst if heated.
Reactivity in case of fire	: Prevent fire fighting water from entering the environment.

5.3. Advice for firefighters

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

TECHNO DEGRIPPANT

Safety Data Sheet

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

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. Do not smoke. 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 tha aerosol neither close nor towards a flame, a white-hot body, an electrical appliance in runing, 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

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
Germany	TRGS 910 Acceptable concentration notes	

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

France	VME (mg/m ³)	1200 mg/m ³
France	VME (ppm)	197 ppm

TECHNO DEGRIPPANT

Safety Data Sheet

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Germany	TRGS 910 Acceptable concentration notes
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Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycliques, <2% aromatiques (64742-48-9)

France	VME (mg/m ³)	150 mg/m ³
France	VLE (mg/m ³)	1500 mg/m ³
Germany	TRGS 910 Acceptable concentration notes	

8.2. Exposure controls

Hand protection:

Wear suitable gloves resistant to chemical penetration. Nitrile rubber

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Skin protection appropriate to the conditions of use should be provided

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. Gas mask with filter type A

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.
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	: > 36 °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	: 0.78 (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 : 702 g/l (85%)

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions. Extremely flammable aerosol.

10.2. Chemical stability

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

TECHNO DEGRIPPANT

Safety Data Sheet

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

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Open flame. Sparks. Direct sunlight. Heat. Avoid contact with hot surfaces. Remove all sources of ignition.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

fume. Carbon oxides (CO, CO₂). May release flammable gases.

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, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 4951 mg/m ³ 4 H

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 5610 mg/l/4h

p-Menth-1-en-8-ol (8000-41-7)

LD50 oral rat	> 5000 mg/kg
LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
LD50 dermal	> 2000 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 4760 mg/l/4h

Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
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

Penetrating Oil: 6 functions

Product identification	Aerosol
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SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

TECHNO DEGRIPPANT

Safety Data Sheet

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

12.2. Persistence and degradability

Penetrating Oil: 6 functions

Persistence and degradability : Not established.

12.3. Bioaccumulative potential

Penetrating Oil: 6 functions

Bioaccumulative potential : Not established.

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 : Prevent entry to sewers and public waters. Avoid release to the environment.. Notify authorities if product enters sewers or public waters

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.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document description				
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.1
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
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) : 1I
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

TECHNO DEGRIPPANT

Safety Data Sheet

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

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

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatiques - p-Menth-1-en-8-ol - Huile minerale blanche raffinée
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Penetrating Oil: 6 functions - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Penetrating Oil: 6 functions - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Penetrating Oil: 6 functions - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

VOC content	: 702 g/l (85%)
Other information, restriction and prohibition regulations	: Aerosol Generator Directive 75/324/EEC and its adaptations.

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

TECHNO DEGRIPPANT

Safety Data Sheet

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

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
3	Composition/information on ingredients	Modified	

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
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H222	Extremely flammable aerosol.
H226	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.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

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