

# Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))

## Dégraissant N120 Aérosol (CO2) - N120 SPRAYCO2

Master item code: N120 SPRAYCO2

Safety Data Sheet date: 5/2/2024, version 1

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

#### 1.1. Product identifier

Trade name: Dégraissant N120 Aérosol (CO2)  
SDS code: N120 SPRAYCO2  
UFI: Y7Q1-63AC-Y00G-27FS

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

Recommended use:  
Cleaner

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

##### Manufacturers:

BABBCO  
15, rue des Frères Lumière Z.I. des EBISOIRES 78370 PLAISIR (France)  
Tel: +33 (0)1.30.80.81.82  
www.babbco.fr

##### Distributors:

BABBCO  
SHERWIN-BABBCO  
Tel: +33 (0)1.30.80.81.82  
www.babbco.fr

##### Competent person responsible for the safety data sheet:

e-mail: regulatoryservice@babbco.fr

#### 1.4. Emergency telephone number






France : ORFILA (INRS) +33 (0)1 45 42 59 59  
International : CHEMTEL +1-813-248-0585.

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### SECTION 2: Hazards identification

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

##### EC regulation criteria 1272/2008 (CLP)

-  Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.
-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Warning, Eye Irrit. 2, Causes serious eye irritation.
-  Warning, STOT SE 3, May cause drowsiness or dizziness.
-  Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:  
No other hazards

#### 2.2. Label elements

Hazard pictograms:

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### Danger

#### Hazard statements:

H222, H229 Extremely flammable aerosol. Pressurized container: may burst if heated.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

#### 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.  
 P273 Avoid release to the environment.  
 P391 Collect spillage.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

#### Special Provisions:

None

#### Contains

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS  
 acetone; propan-2-one; propanone  
 heptane; n-heptane  
 propan-2-ol; isopropyl alcohol; isopropanol

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$










## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.
















### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 30\%$ - $< 40\%$	HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS	EC: 927-510-4 REACH No.: 01-21194755 15-33	 2.6/2 Flam. Liq. 2 H225  3.2/2 Skin Irrit. 2 H315  3.10/1 Asp. Tox. 1 H304  3.8/3 STOT SE 3 H336  4.1/C2 Aquatic Chronic 2 H411
$\geq 25\%$ - $< 30\%$	acetone; propan-2-one; propanone	Index number: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 REACH No.: 01-21194713 30-49	 2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H336 EUH066
$\geq 12.5\%$ -	heptane; n-heptane	Index number: 601-008-00-2	 2.6/2 Flam. Liq. 2 H225

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< 15%		CAS: 142-82-5 EC: 205-563-8	 3.10/1 Asp. Tox. 1 H304  3.2/2 Skin Irrit. 2 H315  3.8/3 STOT SE 3 H336  4.1/A1 Aquatic Acute 1 H400  4.1/C1 Aquatic Chronic 1 H410
>= 7% - < 10%	propan-2-ol; isopropyl alcohol; isopropanol	Index number: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 REACH No.: 01-21194575 58-25	 2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H336
>= 7% - < 10%	CO2	CAS: 124-38-9 EC: 204-696-9	 2.5/C Press Gas (Comp.) H280
>= 0.5% - < 1%	cyclohexane	Index number: 601-017-00-1 CAS: 110-82-7 EC: 203-806-2	 2.6/2 Flam. Liq. 2 H225  3.10/1 Asp. Tox. 1 H304  3.2/2 Skin Irrit. 2 H315  3.8/3 STOT SE 3 H336  4.1/A1 Aquatic Acute 1 H400  4.1/C1 Aquatic Chronic 1 H410

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

No particular treatment.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

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Foam.

Water haze

Multipurpose powders class ABC

Extinguishing media which must not be used for safety reasons:

Spray water

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

Carbon monoxide and carbon dioxide

### 5.3. Advice for firefighters

Use fire fighter's clothing conforming to European standard EN469.

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## SECTION 6: Accidental release measures

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

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

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

For containment:

Ensure adequate ventilation

For cleaning up:

Ensure adequate ventilation

Dispose contaminated material as waste according to item 13.

### 6.4. Reference to other sections

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Wash hands after use

Do not eat, drink or smoke when using this product.

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

Store at ambient temperatures. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

### 7.3. Specific end use(s)

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limit values

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

- OEL Type: National - TWA: 1000 mg/m<sup>3</sup> - STEL: 1500 mg/m<sup>3</sup> - Notes: France

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- OEL Type: National - TWA: 1600 mg/m<sup>3</sup>, 395 ppm - Notes: ExxonMobil acetone; propan-2-one; propanone - CAS: 67-64-1
- OEL Type: National - TWA(8h): 1200 mg/m<sup>3</sup> - Notes: Germany - Notes DFG
- OEL Type: National - TWA(8h): 1210 mg/m<sup>3</sup>, 500 ppm - STEL: 2420 mg/m<sup>3</sup>, 1000 ppm - Notes: France VLEC - TMP N° 84
- OEL Type: EU - TWA(8h): 1210 mg/m<sup>3</sup>, 500 ppm
- OEL Type: ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
- OEL Type: National - TWA: 1200 mg/m<sup>3</sup>, 500 ppm - STEL(15'): 4800 mg/m<sup>3</sup>, 2000 ppm - Notes: Österreich
- OEL Type: National - TWA(8h): 1210 mg/m<sup>3</sup>, 500 ppm - STEL(15min (Miw)): 3620 mg/m<sup>3</sup>, 1500 ppm - Notes: United Kingdom
- heptane; n-heptane - CAS: 142-82-5
- OEL Type: National - TWA(8h): 1668 mg/m<sup>3</sup>, 400 ppm - STEL: 2085 mg/m<sup>3</sup>, 500 ppm - Notes: France VLEC - TMP N° 84
- OEL Type: EU - TWA(8h): 2085 mg/m<sup>3</sup>, 500 ppm
- OEL Type: ACGIH - TWA(8h): 400 ppm - STEL: 500 ppm - Notes: CNS impair, URT irr
- OEL Type: National - TWA(8h): 2100 mg/m<sup>3</sup>, 500 ppm - Notes: Germany
- OEL Type: National - TWA(8h): 2085 mg/m<sup>3</sup>, 500 ppm - Notes: United Kingdom
- propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
- OEL Type: National - STEL: 980 mg/m<sup>3</sup>, 400 ppm - Notes: France
- OEL Type: National - TWA: 500 mg/m<sup>3</sup>, 200 ppm - Notes: DFG, Y - Germany
- OEL Type: National - TWA: 999 mg/m<sup>3</sup>, 400 ppm - STEL: 1250 mg/m<sup>3</sup>, 500 ppm - Notes: United Kingdom
- OEL Type: ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair
- OEL Type: National - TWA: 999 mg/m<sup>3</sup>, 400 ppm - STEL: 1250 mg/m<sup>3</sup>, 500 ppm
- OEL Type: OSHA PEL - TWA: 980 mg/m<sup>3</sup>, 400 ppm
- OEL Type: NIOSH REL - TWA: 980 mg/m<sup>3</sup>, 400 ppm - STEL: 1225 mg/m<sup>3</sup>, 500 ppm
- OEL Type: National - TWA: 500 mg/m<sup>3</sup>, 200 ppm - STEL(30min (Miw)): 1960 mg/m<sup>3</sup>, 800 ppm - Notes: Österreich
- CO2 - CAS: 124-38-9
- OEL Type: EU - TWA(8h): 9000 mg/m<sup>3</sup>, 5000 ppm
- OEL Type: ACGIH - TWA(8h): 5000 ppm - STEL: 30000 ppm - Notes: Asphyxia
- OEL Type: National - TWA(8h): 9000 mg/m<sup>3</sup>, 5000 ppm - Behaviour: Indicative - Notes: France VLEP
- cyclohexane - CAS: 110-82-7
- OEL Type: National - TWA(8h): 700 mg/m<sup>3</sup>, 200 ppm - Notes: Germany
- OEL Type: National - TWA(8h): 700 mg/m<sup>3</sup>, 200 ppm - STEL: 1300 mg/m<sup>3</sup>, 375 ppm - Notes: France VLEC - INRS TMP N° 84
- OEL Type: EU - TWA(8h): 700 mg/m<sup>3</sup>, 200 ppm
- OEL Type: ACGIH - TWA(8h): 100 ppm - Notes: CNS impair
- OEL Type: National - TWA(8h): 700 mg/m<sup>3</sup>, 200 ppm - STEL(15'): 2800 mg/m<sup>3</sup>, 800 ppm - Notes: Österreich
- OEL Type: National - TWA(8h): 200 ppm - Notes: Cyprus
- OEL Type: National - TWA(8h): 700 mg/m<sup>3</sup> - STEL: 2000 mg/m<sup>3</sup> - Notes: Czech Republic
- OEL Type: National - TWA: 50 ppm - Notes: Denmark
- OEL Type: National - TWA(8h): 350 mg/m<sup>3</sup>, 100 ppm - STEL(15'): 1050 mg/m<sup>3</sup>, 300 ppm - Notes: United Kingdom

#### DNEL Exposure Limit Values

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

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Worker Industry: 300 mg/kg b.w./day - Worker Professional: 300 mg/kg b.w./day -  
Consumer: 149 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term,  
systemic effects

Worker Industry: 2085 mg/kg b.w./day - Worker Professional: 2085 mg/kg b.w./day -  
Consumer: 447 mg/kg b.w./day - Exposure: Human Inhalation - Frequency: Long Term,  
systemic effects

Consumer: 149 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term,  
systemic effects

acetone; propan-2-one; propanone - CAS: 67-64-1

Worker Industry: 2420 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term,  
local effects - Notes: 1h

Worker Industry: 186 mg/kg - Consumer: 62 mg/kg - Exposure: Human Dermal -  
Frequency: Short Term (acute) - Notes: 8h for workers, 24h for consumer

Worker Industry: 1210 mg/m<sup>3</sup> - Consumer: 200 mg/m<sup>3</sup> - Exposure: Human Inhalation -  
Frequency: Short Term (acute) - Notes: 24h for consumer

Consumer: 62 mg/kg - Exposure: Human Oral - Frequency: Short Term (acute)

Worker Industry: 500 ppm - Exposure: Human Inhalation - Frequency: Long Term,  
systemic effects

heptane; n-heptane - CAS: 142-82-5

Worker Industry: 300 mg/kg - Consumer: 149 mg/kg - Exposure: Human Dermal -  
Frequency: Long Term, systemic effects

Worker Industry: 2085 mg/m<sup>3</sup> - Consumer: 447 mg/m<sup>3</sup> - Exposure: Human Inhalation -  
Frequency: Long Term, systemic effects

Consumer: 149 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic  
effects

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Worker Industry: 888 mg/kg - Consumer: 319 mg/kg - Exposure: Human Dermal -  
Frequency: Long Term, systemic effects

Worker Industry: 500 mg/kg - Consumer: 89 mg/m<sup>3</sup> - Exposure: Human Inhalation -  
Frequency: Long Term, systemic effects

Consumer: 26 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic  
effects

#### PNEC Exposure Limit Values

acetone; propan-2-one; propanone - CAS: 67-64-1

Target: Fresh Water - Value: 10.6 mg/l

Target: Marine water - Value: 1.06 mg/l

Target: Freshwater sediments - Value: 30.4 mg/kg

Target: Marine water sediments - Value: 3.04 mg/kg

Target: Soil - Value: 29.5 mg/kg

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Water (intermittent discharge) - Value: 21 mg/l

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Target: Fresh Water - Value: 140.9 mg/l

Target: Marine water - Value: 140.9 mg/l

Target: Freshwater sediments - Value: 552 mg/kg

Target: Marine water sediments - Value: 552 mg/kg

Target: Soil (agricultural) - Value: 28 mg/kg

Target: Microorganisms in sewage treatments - Value: 2251 mg/l

Target: Water (intermittent discharge) - Value: 140.9 mg/l

Target: Oral (secondary poisoning) (foodstuff) - Value: 160 mg/kg

#### Biological Exposure Index

N.A.

## 8.2. Exposure controls

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See below, example of PPE to use.

Eye protection:

Basket eye glasses.

Protection for skin:

Overall.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Mask with filter "AX", brown colour

Mask with filter "P", white colour

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

Other conditions affecting workers exposure:

None

## SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes
Physical state:	Aerosol	--	--
Colour:	Colourless	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	>35°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	0.6-13%	--	--
Flash point (°C):	<21°C	--	--
Auto-ignition temperature:	215°C	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	Soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	>240 hPa (20°C)	--	--
Density and/or relative density:	<1	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

### 9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 700 g/l

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N.A. = not available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions

#### 10.2. Chemical stability

Stable under normal conditions

#### 10.3. Possibility of hazardous reactions

None

#### 10.4. Conditions to avoid

Stable under normal conditions.

#### 10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

#### 10.6. Hazardous decomposition products

None.

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### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

Dégraissant N120 Aérosol (CO2)

Acute toxicity

Not classified

Based on available data, the classification criteria are not met

Skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

Serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

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

STOT-single exposure

The product is classified: STOT SE 3 H336

STOT-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

Toxicological information of the main substances found in the product:

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 20 mg/l

acetone; propan-2-one; propanone - CAS: 67-64-1

Acute toxicity:



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Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat = 76 mg/l - Duration: 4h  
Test: LD50 - Route: Skin - Species: Rabbit > 15800 mg/kg  
heptane; n-heptane - CAS: 142-82-5  
Acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg  
Test: LC50 - Route: Inhalation > 20 mg/l  
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0  
Acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 4570 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat = 20 mg/l - Duration: 8h  
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 25000 mg/m3 - Duration: 6 hours  
Test: LD50 - Route: Skin - Species: Rabbit = 12.800 mg/kg  
Reproductive toxicity:  
Test: NOAEL - Route: Oral - Species: Rat = 500 mg/kg  
STOT-repeated exposure:  
Test: NOAEL - Route: Inhalation - Species: Rat = 1.3 mg/l  
Test: NOAEL - Route: Inhalation Vapour - Species: Rat (Male, female) = 12.5 mg/l  
cyclohexane - CAS: 110-82-7  
Acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg  
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 19.1 mg/l - Duration: 4h

### 11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other toxicological information:

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

May cause mild and transient eye discomfort.

May be fatal if swallowed and enter the respiratory tract.

-

acetone; propan-2-one; propanone

Skin corrosion / irritation (rabbit):

Slight irritating effect

Severe eye injury/irritation (rabbit):

Irritating effect

-

heptane; n-heptane

Causes skin irritations, prolonged contact: dermatosis by removing the lipo-acid skin coating.

-

propan-2-ol; isopropyl alcohol; isopropanol

Severe eye damage/irritation:

Irritating to eyes

Foetal development:

Toxic effects on foetal development at doses that produce effects in mothers.

No teratogenic effects, NOAEL: 400 mg/kg Maternal No Effect Concentration: 400 mg/kg (rat)

Absence of toxic effects on foetal development. NOAEL: > 480 mg/kg. Maternal No-effect

Concentration: 240 mg/kg (rabbit)

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Inhalation:  
Irritating to eyes and respiratory tract (vapour, 1.0 mg/l)  
-

cyclohexane  
Inhalation:  
Avoid inhalation of vapours: may cause lung inflammation.  
Respiratory irritation:  
Coughing, mucus production and shortness of breath

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Dégraissant N120 Aérosol (CO2)

The product is classified: Aquatic Chronic 2 - H411

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Algae > 10 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Algae = 10 mg/l - Duration h: 72 - Notes: Raphidocelis

Endpoint: LC50 - Species: Daphnia = 3 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: LC50 - Species: Fish > 13.4 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: DSEO-R (NOELR) - Species: Algae = 6.3 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: EL50

- Species: Daphnia = 1.6 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: DSEO-R (NOELR) - Species: Daphnia = 1 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: DSEO-R (NOELR) - Species: Fish = 1.53 mg/l - Duration h: 672 - Notes: Oncorhynchus mykiss

acetone; propan-2-one; propanone - CAS: 67-64-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Salmo gairdneri

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: Algae = 430 mg/l - Duration h: 96 - Notes: Prorocentrum minimum, marine water

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 2212 mg/l - Duration h: 672 - Notes: Daphnia pulex

heptane; n-heptane - CAS: 142-82-5

a) Aquatic acute toxicity:

Endpoint: EL50

- Species: Fish > 1 mg/l - Notes: LL/EL/IL50

Endpoint: EL50

- Species: Daphnia > 1 mg/l - Notes: LL/EL/IL50

Endpoint: EL50

- Species: Algae > 1 mg/l - Notes: LL/EL/IL50

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 1 mg/l

Endpoint: NOEC - Species: Daphnia > 0.1 mg/l

c) Bacteria toxicity:

Endpoint: EL50

- Species: bacteria > 10 mg/l

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

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a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 48 - Notes: Leuciscus melanotus  
 Endpoint: LC50 - Species: Fish = 9640 mg/l - Duration h: 96 - Notes: Pimephales promelas  
 Endpoint: LC50 - Species: Daphnia > 10.000 mg/l - Duration h: 48  
 Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus  
 Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48  
 Endpoint: NOAEC - Species: Algae = 1800 mg/l - Duration h: 84 - Notes: Algues vertes / Green algae

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 100 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

c) Bacteria toxicity:

Species: bacteria = 1.050 mg/l

cyclohexane - CAS: 110-82-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Aquatic invertebrates > 10 mg/l - Notes: Daphnia magna  
 Endpoint: EC50 - Species: Aquatic invertebrates < 100 mg/l - Notes: Daphnia magna  
 Endpoint: EL50  
 - Species: Daphnia = 3 mg/l - Duration h: 48 - Notes: Daphnia magna  
 Endpoint: LC50 - Species: Fish = 4.5 mg/l - Duration h: 48 - Notes: Fathead Minnow  
 Endpoint: LL50  
 - Species: Fish > 13.4 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss  
 Endpoint: EL50  
 - Species: Algae > 10 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata  
 Endpoint: EC50 - Species: Aquatic plants = 9.317 mg/kg/d - Duration h: 36 - Notes: Selenastrum capricornutum  
 Endpoint: DSEO-R (NOELR) - Species: Algae = 10 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: EL50  
 - Species: Aquatic invertebrates = 1.6 mg/l - Duration h: 504 - Notes: Daphnia magna  
 Endpoint: LOEC  
 - Species: Aquatic invertebrates = 0.32 mg/l - Duration h: 504 - Notes: Daphnia magna  
 Endpoint: NOEC - Species: Aquatic invertebrates = 0.17 mg/l - Duration h: 504 - Notes: Daphnia magna  
 Endpoint: DSEO-R (NOELR) - Species: Daphnia = 1 mg/l - Duration h: 504 - Notes: Daphnia magna

#### 12.2. Persistence and degradability

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

Biodegradability: Readily biodegradable - Test: OECD 301F - Duration: 28 days - %: 98%

acetone; propan-2-one; propanone - CAS: 67-64-1

Biodegradability: Readily biodegradable - Duration: 28 days - %: 91

Biodegradability: Chemical Oxygen Demand (COD) - Notes: 2,21 g O2/g matière

heptane; n-heptane - CAS: 142-82-5

Biodegradability: Biodegradability rate - Duration: 28 days - %: 98

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Biodegradability: Readily biodegradable - Duration: 5 days - %: 53 - Notes: Aerobie, activated sludge

Biodegradability: Oxidizes rapidly by photochemical reactions in air.

Biodegradability: Photodegradation (in air) - overall half-life time - Test: Degradation by OH radicals: Direct photolysis - Duration: 33 hours

cyclohexane - CAS: 110-82-7

Biodegradability: Biodegradability rate - Duration: 28 days - %: 9

Biodegradability: Manometer Breathing - Duration: 28 days - %: 77

#### 12.3. Bioaccumulative potential

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Oxidizes rapidly by photochemical reactions in air.

BCF 10 - 25000

acetone; propan-2-one; propanone - CAS: 67-64-1

BCF 3

Log Pow - 0.24 - Notes: 20 °C

Log Kow 0.17 - Notes: 20 °C

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Estimated not significantly bioaccumulative.

Log Pow <=4

Log Kow 0.05 - Notes: 25°C

cyclohexane - CAS: 110-82-7

Log Kow 3.44

#### 12.4. Mobility in soil

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

Floats on the water. Adsorption in soil, low mobility.

acetone; propan-2-one; propanone - CAS: 67-64-1

Volality (H: Henry's Law Constant) 2929-3070 Pa.m<sup>3</sup>/mol - Notes: 25 °C (low volatility)

#### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

#### 12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

#### 12.7. Other adverse effects

No harmful effects expected.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

07 07 04\* other organic solvents, washing liquids and mother liquors

Additional disposal information:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Please consult Technical Data Sheet for details.

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### SECTION 14: Transport information



#### 14.1. UN number or ID number

ADR-UN Number: 1950

IATA-UN Number: 1950

IMDG-UN Number: 1950

#### 14.2. UN proper shipping name

ADR-Shipping Name: AEROSOLS FLAMMABLE

IMDG-Shipping Name: AEROSOLS FLAMMABLE

#### 14.3. Transport hazard class(es)

ADR-Class: 2

ADR - Hazard identification number: -

IATA-Class: 2.1

IMDG-Class: 2.1

IMDG-Class: 2

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### 14.4. Packing group

ADR-Packing Group:	-
IATA-Packing group:	-
IMDG-Packing group:	-

### 14.5. Environmental hazards

ADR-Environmental Pollutant:	Yes
IMDG-Marine pollutant:	Yes
IMDG-EmS:	F-D , S-U

### 14.6. Special precautions for user

ADR-Subsidiary hazards:	See SP63
ADR-S.P.:	190 327 344 625
ADR-Transport category (Tunnel restriction code):	2 (D)
IATA-Passenger Aircraft:	203
IATA-Subsidiary hazards:	See SP63
IATA-Cargo Aircraft:	203
IATA-S.P.:	A145 A167 A802
IATA-ERG:	10L
IMDG-Subsidiary hazards:	See SP63
IMDG-Stowage and handling:	SW1 SW22
IMDG-Segregation:	SG69

Q.L.: 1L

Q.E.: E0

### 14.7. Maritime transport in bulk according to IMO instruments

N.A.

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## SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
Regulation (EU) n. 2016/918 (ATP 8 CLP)  
Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
Regulation (EU) n. 2017/776 (ATP 10 CLP)  
Regulation (EU) n. 2018/669 (ATP 11 CLP)  
Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2019/521 (ATP 12 CLP)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2021/643 (ATP 16 CLP)  
Regulation (EU) n. 2021/849 (ATP 17 CLP)  
Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

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Restrictions related to the substances contained:

Restriction 57

Restriction 75

Listed or in compliance with the following international inventories:

Labelling of detergents (EC Regulations 648/2004 and 907/2006):

N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

N.A.

N.A.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: P3b, E2

#### 15.2. Chemical safety assessment

No

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#### SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H319 Causes serious eye irritation.

EUH066 Repeated exposure may cause skin dryness or cracking.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H280 Contains gas under pressure; may explode if heated.

Hazard class and hazard category	Code	Description
Aerosols 1	2.3/1	Aerosol, Category 1
Press Gas (Comp.)	2.5/C	Gases under pressure (Compressed gas)
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2

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Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 1, H222, H229	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
- SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
- CCNL - Appendix 1
- Insert further consulted bibliography

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The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- ATE: Acute Toxicity Estimate
- ATEmix: Acute toxicity Estimate (Mixtures)
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- CLP: Classification, Labeling, Packaging.
- DNEL: Derived No Effect Level.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- GefStoffVO: Ordinance on Hazardous Substances, Germany.

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GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.