

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

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

1.1 Product identifier

Product name: COFRAN DEGRIPPANT NG AR/UN

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

Identified uses: Lubricant

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier COFRAN FLF
1, rue Lavoisier
92000 Nanterre
France

Telephone: +33 (0) 1 41 37 42 00
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1.4 Emergency telephone number: +33 (0)1 45 42 59 59 (ORFILA)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to regulation GB-CLP.

Classification according to GB-CLP.

Physical Hazards

Aerosols	Category 1	H222: Extremely flammable aerosol. H229: Pressurized container: May burst if heated.
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Health Hazards

Specific Target Organ Toxicity - Single Exposure	Category 3	H336: May cause drowsiness or dizziness.
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Aspiration Hazard	Category 1	H304: May be fatal if swallowed and enters air-ways.
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Product name: COFRAN DEGRIPPANT NG AR/UN

Hazard summary

Physical Hazards: Flammable aerosol.

2.2 Label Elements

Contains: Hydrocarbons, low viscous



Signal Words: Danger

Hazard Statement(s): H222: Extremely flammable aerosol.
H229: Pressurized container: May burst if heated.
H336: May cause drowsiness or dizziness.

Precautionary Statements

Prevention: P101: If medical advice is needed, have product container or label at hand.
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.
P271: Use only outdoors or in a well-ventilated area.

Response:

Storage: P405: Store locked up.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Disposal: P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Supplemental label information

EUH066: Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards:

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.

SECTION 3: Composition/information on ingredients

Product name: COFRAN DEGRIPPANT NG AR/UN

3.2 Mixtures

General information: Mixture of active ingredients with propellant

Chemical name	Identifier	Concentration *	UK-REACH Registration No.	Notes
Butane	EINECS: 203-448-7	0% - <100,00%		
Hydrocarbons, low viscous	EINECS: 919-857-5	>=10,00% - <25,00%		
Propane	EINECS: 200-827-9	0% - <100,00%		
Methyl acetate	EINECS: 201-185-2	>=2,50% - <10,00%		
Isobutane (<0,1% 1,3-butadiene)	EINECS: 200-857-2	0% - <100,00%		

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Identifier	Classification
Butane	EINECS: 203-448-7	GBCLP: Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280
Hydrocarbons, low viscous	EINECS: 919-857-5	GBCLP: Asp. Tox. 1;H304, Flam. Liq. 3;H226, STOT SE 3;H336 EUH066
Propane	EINECS: 200-827-9	GBCLP: Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280
Methyl acetate	EINECS: 201-185-2	GBCLP: FLAM LIQ 2;H225, STOT SE 3;H336, Eye Irrit. 2;H319
Isobutane (<0,1% 1,3-butadiene)	EINECS: 200-857-2	GBCLP: Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280

GB-CLP

SECTION 4: First aid measures

General: Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

Skin Contact: Wash with soap and water. Get medical attention if irritation persists after washing.

Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Obtain medical attention and take along these instructions.

Product name: COFRAN DEGRIPPANT NG AR/UN

- 4.2 Most important symptoms and effects, both acute and delayed:** Dizziness Freeze burns
- 4.3 Indication of any immediate medical attention and special treatment needed:** Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
- Suitable extinguishing media:** CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added
- Unsuitable extinguishing media:** Water with a full water jet.
- 5.2 Special hazards arising from the substance or mixture:** Danger of explosion with aerosol cans.
- 5.3 Advice for firefighters**
- Special fire-fighting procedures:** Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.
- Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Avoid inhalation of vapors and spray mist and contact with skin and eyes. Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). In case of spills, beware of slippery floors and surfaces.
- 6.2 Environmental Precautions:** Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.
- 6.3 Methods and material for containment and cleaning up:** Absorb spillage with non-combustible, absorbent material. Dispose of the material collected according to regulations.

Product name: COFRAN DEGRIPPANT NG AR/UN

6.4 Reference to other sections: See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: Avoid contact with flame and heat source, prevent contact with direct sunlight Avoid contact with skin and eyes. Avoid inhalation of aerosols. Use only in well-ventilated areas. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Containers can burst violently when heated, due to excess pressure build-up. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Keep away from heat/sparks/hot surfaces. - No smoking. Store in a cool and well-ventilated place.

7.3 Specific end use(s): Not applicable

Storage Class: 2 B, Aerosols

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Butane	TWA	600 ppm 1.450 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Butane	STEL	750 ppm 1.810 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Methyl acetate	TWA	200 ppm 616 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Methyl acetate	STEL	250 ppm 770 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)

8.2 Exposure controls

Appropriate engineering controls: Avoid inhalation of vapors and spray mists. Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of spray.

Individual protection measures, such as personal protective equipment

Product name: COFRAN DEGRIPPANT NG AR/UN

General information:	Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.
Eye/face protection:	Avoid contact with skin and eyes. Wear eye protection/face protection.
Skin protection	
Hand Protection:	Material: Nitrile butyl rubber (NBR). Min. Breakthrough time: \geq 480 min Recommended thickness of the material: \geq 0,38 mm Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Other:	Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.
Respiratory Protection:	Avoid breathing vapour/ aerosol. Ensure good ventilation/exhaustion at the workplace. In case of inadequate ventilation use suitable respirator.
Thermal hazards:	Not known.
Hygiene measures:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
Environmental Controls:	No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Aerosols
Form:	Aerosols
Color:	Colorless
Odor:	Characteristic
pH:	substance/mixture is non-soluble (in water) Not applicable
Freezing point:	not determined
Boiling Point:	not determined
Flash Point:	Value not relevant for classification
Evaporation Rate:	Not applicable for mixtures

Product name: COFRAN DEGRIPPANT NG AR/UN

Flammability (solid, gas):	not determined
Flammability Limit - Upper (%)-:	Not applicable for mixtures
Flammability Limit - Lower (%)-:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Relative vapor density:	Not applicable for mixtures
Density:	< 1,00 g/cm ³ (20 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	not determined
Decomposition Temperature:	not determined
Kinematic viscosity:	< 7 mm ² /s (40 °C)
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
Particle characteristics:	Not applicable
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical Stability:	Stable under normal use conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Stable under normal use conditions. Avoid exposing aerosol containers to high temperatures or direct sunlight. Keep away from heat. Heat may cause the containers to explode.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral

Product: Not classified for acute toxicity based on available data.

Product name: COFRAN DEGRIPPANT NG AR/UN

Specified substance(s)

Hydrocarbons, low vis-
cous

LD 50 (Rat): > 5.001 mg/kg (OECD 401)

Dermal

Product:

Not classified for acute toxicity based on available data. Not classified for acute toxicity based on available data.

Specified substance(s)

Hydrocarbons, low vis-
cous

LD 50 (Rabbit): > 5.000 mg/kg (OECD 402)

Inhalation

Product:

Not classified for acute toxicity based on available data. Not classified for acute toxicity based on available data.

Specified substance(s)

Butane

LC 50 (Rat, 4 h): 658 mg/l
Gas

Hydrocarbons, low vis-
cous

LC 50 (Rat, 1 h): 40,2 mg/l

Skin Corrosion/Irritation:

Product:

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

Serious Eye Damage/Eye Irritation:

Product:

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

Respiratory or Skin Sensitization:

Product:

Skin sensitizer: Based on available data, the classification criteria are not met.
Respiratory sensitizer: Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity

Product:

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

Carcinogenicity

Product:

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

Reproductive toxicity

Product:

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

Specific Target Organ Toxicity - Single Exposure

Product:

Based on available data, the classification criteria are met.

Specific Target Organ Toxicity - Repeated Exposure

Product:

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

Aspiration Hazard

Product name: COFRAN DEGRIPPANT NG AR/UN

Product: Based on available data, the classification criteria are met.

Other adverse effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

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

Fish

Specified substance(s)

Hydrocarbons, low viscous LC 50 (Fish, 96 h): > 1.000 mg/l

Propane LC 50 (Fish, 96 h): > 1.000 mg/l

Isobutane (<0,1% 1,3-butadiene) LC 50 (Fish, 96 h): 28 mg/l

Aquatic Invertebrates

Specified substance(s)

Hydrocarbons, low viscous EC 50 (Water Flea, 48 h): > 1.000 mg/l (OECD 202)

Isobutane (<0,1% 1,3-butadiene) EC 50 (Water Flea, 48 h): 16,3 mg/l

Chronic Toxicity

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

Toxicity to Aquatic Plants

Specified substance(s)

Hydrocarbons, low viscous EC 50 (Alga, 72 h): > 1.001 mg/l (OECD 201)

Isobutane (<0,1% 1,3-butadiene) EC 50 (Alga, 72 h): 8,6 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: Not applicable for mixtures

12.3 Bioaccumulative potential

Product: Not applicable for mixtures

Product name: COFRAN DEGRIPPANT NG AR/UN

12.4 Mobility in soil:

Product: Not applicable for mixtures

12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Other adverse effects: No data available.

Water Hazard Class (WGK): WGK 1: slightly water-endangering.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Do not empty into drains; dispose of this material and its container in a safe way. Do not puncture or incinerate even when empty. Empty containers must not be burned because of explosion hazard.

List of Waste (LoW) Codes

16 05 04*: Gases in pressure containers (including halons) containing hazardous substances.

SECTION 14: Transport information

ADR/RID

14.1 UN number or ID number:	UN 1950
14.2 UN Proper Shipping Name:	AEROSOLS
14.3 Transport Hazard Class(es)	
Class:	2
Label(s):	2.1
Hazard No. (ADR):	–
Tunnel restriction code:	(D)
14.4 Packing Group:	–
14.5 Environmental hazards:	–
14.6 Special precautions for user:	–

Product name: COFRAN DEGRIPPANT NG AR/UN

IMDG

14.1 UN number or ID number: UN 1950
14.2 UN Proper Shipping Name: AEROSOLS
14.3 Transport Hazard Class(es)
Class: 2.1
Label(s): 2.1
EmS No.: F-D, S-U
14.3 Packing Group: –
14.5 Environmental hazards: –
14.6 Special precautions for user: –

IATA

14.1 UN number or ID number: UN 1950
14.2 Proper Shipping Name: Aerosols, flammable
14.3 Transport Hazard Class(es):
Class: 2.1
Label(s): 2.1
14.4 Packing Group: –
14.5 Environmental hazards: –
14.6 Special precautions for user: –

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:

GB Regulations

The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019:
none

The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020:
none

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: Vertical lines in the margin indicate an amendment.

Product name: COFRAN DEGRIPPANT NG AR/UN

Wording of the H-statements in section 2 and 3

EUH066	Repeated exposure may cause skin dryness or cracking.
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H229	Pressurized container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Other information:

The classification complies with the current GB lists; however, it has been supplemented with expert literature information and information provided by/about our company. The following evaluation methods were used: On the basis of test data; Calculation Method; Bridging Principle "Substantially similar mixtures"; Expert Judgement

Revision Date:

08.03.2023

Disclaimer:

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.