Safety data sheet

according to 1907/2006/CE, Article 31 Annex II UE 2020/878

Printing date 27.10.2023 Version number 16 Revision: 18.09.2023

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

· 1.1 Product identifier

· Trade name: AEROSOL

PROSOLV MULTI AA

NETTOYANT FREINS PUISSANT AGRÉÉ

NSF

· Article number: 30762

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

Application of the substance / the

mixture

No further relevant information available.

Degreaser product Brake parts cleaner

Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier: IPC

10 Quai Malbert, 29200, BREST,

FRANCE.

Tel.: +33 (0)2 98 43 45 44. Fax: +33

(0)2 98 44 22 53 ipc@groupe-ipc.com

· 1.4 Emergency telephone

number:

Poison Control Centre: 0845 4647

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

STOT SE 3 H336 May cause drowsiness or dizziness.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 2.2 Label elements

Labelling according to Regulation

(EC) No 1272/2008

The product is classified and labelled according to the GB CLP

regulation.

· Hazard pictograms





GHS02 GHS07

· Signal word Danger

· Hazard-determining components of

labelling:

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

1-Methoxypropan-2-ol

· Hazard statements H222-H229 Extremely flammable aerosol. Pressurised container: May

burst if heated.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

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(Contd. of page 1) · 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.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P410+P412 Protect from sunlight. Do not expose to temperatures

exceeding 50 °C/122 °F.

Dispose of contents/container in accordance with local/ P501

regional/national/international regulations.

EUH066 Repeated exposure may cause skin dryness or cracking. · Additional information:

2.3 Other hazards

· Results of PBT and vPvB assessment

PBT: Not applicable. · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Active substance with propellant

· Dangerous components:		
EC number: 927-241-2	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	50-100%
Reg.nr.: 01-2119471843-32	♦ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ STOT SE 3, H336; Aquatic Chronic 3, H412, EUH066	
CAS: 107-98-2	1-Methoxypropan-2-ol	2.5-10%
EINECS: 203-539-1 Reg.nr.: 01-2119457435-35	♦ Flam. Liq. 3, H226; ♦ STOT SE 3, H336 substance with a Community workplace exposure limit	
CAS: 124-38-9	carbon dioxide	2.5-5%
EINECS: 204-696-9 Reg.nr.: Note 1	Press. Gas (Liq.), H280 substance with a Community workplace exposure limit	

Regulation (EC) No 648/2004 on detergents / Labelling for contents

aliphatic hydrocarbons ≥30%

Additional information: Note P

Contains less than 0,1% benzene.

Note 1: Listed in Annex IV / V UK REACH, exempted from registration

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General information: Seek immediate medical advice.

Immediately remove any clothing soiled by the product. · After inhalation: Supply fresh air; consult doctor in case of complaints. · After skin contact: Wash with water and soap and rinse thoroughly.

· After eye contact: Rinse opened eye for several minutes under running water. · After swallowing: Do not induce vomiting: call for medical help immediately.

Symptoms of poisoning may even occur after several hours; therefore

medical observation for at least 48 hours after the accident.

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· 4.2 Most important symptoms and effects, both acute and

delayed

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special

treatment needed No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

Foam

Fire-extinguishing powder

Carbon dioxide

· For safety reasons unsuitable

extinguishing agents:

Water with full jet

5.2 Special hazards arising from

the substance or mixture

Heat (or fire) will increase pressure and may lead to the receptacle

bursting.

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide and carbon dioxide

Hydrocarbons

5.3 Advice for firefighters

· Protective equipment: Wear self-contained respiratory protective device.

Wear fully protective suit.

Cool endangered receptacles with water spray. · Additional information

Dispose of fire debris and contaminated fire fighting water in

accordance with official regulations.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and

emergency procedures Not applicable, as aerosol.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or

sewage system.

· 6.3 Methods and material for

containment and cleaning up: Ensure adequate ventilation.

Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Use only in well ventilated areas. Do not breathe vapors or spray mist.

Avoid contact with skin, eyes and clothing.

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Keep away from heat and direct sunlight.

Information about fire - and explosion protection:

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn,

even after use.

Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

Do not spray onto a naked flame or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by

storerooms and receptacles: Store in a cool location.

Observe official regulations on storing packagings with pressurised

Do not store together with oxidising and acidic materials.

containers.

· Information about storage in one

common storage facility:

· Further information about storage

conditions:

Store in cool, dry conditions.

Store in a cool place. Heat will increase pressure and may lead to the

receptacle bursting.

7.3 Specific end use(s) Do not use the product for any other application for which it is intended.

Read the technical data sheet before use: www.nettoyantfrein.com

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

Ingredients with	limit values that	t require monitori	ng at the workplace:

107-98-2 1-Methoxypropan-2-ol

WEL Short-term value: 560 mg/m³, 150 ppm

Long-term value: 375 mg/m³, 100 ppm

Sk

124-38-9 carbon dioxide

WEL Short-term value: 27400 mg/m³, 15000 ppm

Long-term value: 9150 mg/m³, 5000 ppm

· DNELs

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Dermal Long term systemic effects 77 mg/kg (Travailleurs / Workers)
Inhalative Long term systemic effects 871 mg/m³ (Travailleurs / Workers)

107-98-2 1-Methoxypropan-2-ol

Dermal Long term systemic effects 50.6 mg/kg (Travailleurs / Workers)
Inhalative Long term systemic effects 369 mg/m³ (Travailleurs / Workers)
Short term systemic effects 553.5 mg/m³ (Travailleurs / Workers)

· PNECs

107-98-2 1-Methoxypropan-2-ol

PNEC - Fresh water
PNEC - Marine water
PNEC - Effects on waste water treatment plants
10 mg/l
100 mg/l

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PNEC - Soil	2.47 mg/kg
PNEC - Fresh water sediment	41.6 mg/kg
PNEC - Marine sediment	4.17 mg/kg

· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

· Individual protection measures, such as personal protective equipment

· General protective and hygienic

measures: The usual precautionary measures are to be adhered to when handling

chemicals.

Immediately remove all soiled and contaminated clothing

Wash hands before drinking, eating or smoking.

Do not inhale gases / fumes / aerosols.

Wearing of Personal Protective Equipment (PPE) required for all

persons with allergies.

· Respiratory protection: Use suitable respiratory protective device in case of insufficient

ventilation. Filter A/P2

· Hand protection



Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Nitrile rubber, NBR · Material of gloves

Thickness> 0.55 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from

manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in

advance and has therefore to be checked prior to the application.

· Penetration time of glove material >480 min

The exact breakthrough time of the glove material has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection



Safety glasses

· Body protection: Use protective suit.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information Physical and chemical properties of the gas-free active

> product. Fluid

· Physical state · Colour:

Colourless

· Odour: · Odour threshold: Solvent-like Not determined.

Melting point/freezing point:

Undetermined.

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· Boiling point or initial boiling point and boiling

range Not applicable, as aerosol.

· Flammability Not applicable.

· Lower and upper explosion limit

· Lower: 0.8 Vol % (Hydrocarbons, C9-C10, n-alkanes,

isoalkanes, cyclics, <2% aromatics)

· *Upper:* 6 Vol % (Hydrocarbons, C9-C10, n-alkanes, isoalkanes,

cyclics, <2% aromatics)

Flash point: Not applicable, as aerosol.

- Auto-ignition temperature: >230 °C

• Decomposition temperature: Not determined. • pH Not determined.

· Viscosity:

Kinematic viscosityDynamic:Not determined.Not determined.

· Solubility

• water: Partly soluble.
• Partition coefficient n-octanol/water (log value) Not determined.

• Vapour pressure at 20 °C: 4.2 hPa

· Density and/or relative density

• **Density at 25 °C:** 0.763 g/cm³ (NF EN ISO 12185 :1996)

Relative densityVapour densityNot determined.Not determined.

9.2 Other information

· Appearance:

· Form: Aerosol

Important information on protection of health and

environment, and on safety.

• Ignition temperature: Not determined. • Explosive properties: Not determined.

Change in condition

· **Evaporation rate** Not applicable.

· Information with regard to physical hazard classes

· Explosives Void · Flammable gases Void

· **Aerosols** Combustion heat :

> 30kJ/g

Extremely flammable aerosol. Pressurised container:

May burst if heated.

· Oxidising gases Void · Gases under pressure Void · Flammable liquids Void · Flammable solids Void · Self-reactive substances and mixtures Void · Pyrophoric liquids Void · Pyrophoric solids Void Self-heating substances and mixtures Void

Substances and mixtures, which emit flammable

gases in contact with water Void
Oxidising liquids Void
Oxidising solids Void

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Organic peroxides
 Corrosive to metals
 Desensitised explosives

Void
Void

SECTION 10: Stability and reactivity

• **10.1 Reactivity** No further relevant information available.

10.2 Chemical stability
Thermal decomposition /

conditions to be avoided: No decomposition if used and stored according to specifications.

· 10.3 Possibility of hazardous

reactionsNone when normally used. **10.4 Conditions to avoid**Heat, flames and sparks.

Avoid the accumulation of electrostatic charges.

Materials to avoid: strong acids. oxidizing

Temperature > 50°C.

10.5 Incompatible materials:

10.6 Hazardous decomposition

products: No decomposition if used and stored according to specifications.

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

I	ו/ח	C50	values	relevant	for	classification:

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral	LD50.	>5,000 mg/kg (Rat) (OCDE 401)
Dermal	LD50.	>5,000 mg/kg (rab) (OCDE 402)
Inhalative	LC50/8h.	>5,000 mg/kg (Rat)

107-98-2 1-Methoxypropan-2-ol

Oral	LD50.	>4,000 mg/kg (Rat)
	LD50.	>2,000 mg/kg (Rat)
Inhalative	LC50/6h.	25.8 mg/l (Rat)

• Skin corrosion/irritation Repeated exposure may cause skin dryness or cracking.

STOT-single exposure May cause drowsiness or dizziness.

· **Aspiration hazard** May be fatal if swallowed and enters airways.

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

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according to 1907/2006/CE, Article 31 Annex II UE 2020/878

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SECTION 12: Ecological information

12.1 Toxicity

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Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

NOELR <1 mg/l (Pseudokirchneriella subcapitata)

EL 50 (48H) 22-46 mg/l (Daphnia)

LL50 (96h) 10-30 mg/l (Oncorhynchus mykiss) (OECD 203) EL50 (72H) >1,000 mg/l (Pseudokirchneriella subcapitata)

107-98-2 1-Methoxypropan-2-ol

CE50 >1,000 mg/l (Pseudokirchneriella subcapitata) (7d)

CL50 (96H) >6,800 mg/l (Leuciscus idus) CL50 (48H) 23,300 mg/l (Daphnia magna)

12.2 Persistence and

degradability
12.3 Bioaccumulative potential
12.4 Mobility in soil
No further relevant information available.
No further relevant information available.
No further relevant information available.

· 12.5 Results of PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable.

· 12.6 Endocrine disrupting

properties The product does not contain substances with endocrine disrupting

properties.

12.7 Other adverse effects

· **Remark:** Harmful to fish

· Additional ecological information:

• General notes: Do not allow product to reach ground water, water course or sewage

system.

Danger to drinking water if even small quantities leak into the ground. The product contains materials that are harmful to the environment. Water hazard class 2 (German Regulation) (Self-assessment):

hazardous for water

Harmful to aquatic organisms

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

• **Recommendation** Send to an approved waste facility.

Do not allow product to reach sewage system or any water course.

Uncleaned packaging:

• **Recommendation:** Send to an approved waste facility.

Disposal must be made according to official regulations.

Do not pierce or burn, even after use.

GB

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14.1 UN number or ID number	
ADR, IMDG, IATA	UN1950
14.2 UN proper shipping name	
ADR IMDG	UN1950 AEROSOLS
IATA	AEROSOLS AEROSOLS, flammable
	ALITOGOLO, Hammable
14.3 Transport hazard class(es)	
ADR	
<u>*</u>	
Class	2 5F Gases.
Label	2.1
Class Label	2.1 Gases. 2.1
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	Yes
14.6 Special precautions for user	Warning: Gases.
Hazard identification number (Kemler code):	-
EMS Number:	F-D,S-U
Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1
	litre: Category A. For AEROSOLS with a capacity above
	litre: Category B. For WASTE AEROSOLS: Category C
	Clear of living quarters.
Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 li
	Segregation as for class 9. Stow "separated from" class except for division 1.4.
	For AEROSOLS with a capacity above 1 litre:
	Segregation as for the appropriate subdivision of class
	For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of class

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· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
Excepted quantities (ÉQ)	Code: E0
,	Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· IMDG	
· Limited quantities (LQ)	1L
Excepted quantities (ÉQ)	Code: E0
, , , , , ,	Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Qualifying quantity (tonnes) for the application of lower-tier

requirements 5.000 t

Qualifying quantity (tonnes) for the

application of upper-tier

requirements 50.000 t

15.2 Chemical safety

assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

NSF approved: Approval no. 126569 - Category code K1 Shelf-life : 24 months from the date it was manufactured.

• Relevant phrases H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking. ADR: Accord relatif au transport international des marchandises dangereuses par route

· **Abbreviations and acronyms:**ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by

Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

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LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Aerosol 1: Aerosols – Category 1

Press. Gas (Liq.): Gases under pressure – Liquefied gas
Flam. Liq. 3: Flammable liquids – Category 3
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspirator hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard -

Category 3

· * Data compared to the previous version altered.