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N° di revisione: 2

«Grassospray» Grasso adesivo lubrificante universale

K 3836 0000





Safety Data Sheet dated 5/2/2025, revision 2

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

1.1 Product identifier

Mixture identification:

Commercial name: Grassospray
Commercial code: K 3836

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

Description/Use: Lubrication grease

Uses not recommended: Any use not specified in this section nor in section 7.3

1.3. Details of the supplier of the safety data sheet

Company:

ABC TOOLS S.P.A. - V.le Europa, 68/70 20093 Cologno Monzese (MI) - Italia

Phone: +39 02 2511111.1 Fax: +39 02 2538379

Competent person responsible for the safety data sheet:

info@abctools.it

1.4. Emergency telephone number





List of Poison Control Centers (CAV):

CAV Cardarelli Hospital	Naples	+39 081 747 2870	Active 24/7
CAV AOU Careggi	Florence	+39 055 794 7819	Mon–Fri: 7:30–14:00
CAV S. Maugeri IRCCS Foundation	Pavia	+39 0382 24444	Active 24/7
CAV Niguarda Ca' Granda Hospital	Milan	+39 02 6610 1029	Active 24/7
CAV Pope John XXIII Hospital	Bergamo	+39 800 883300	Active 24/7
CAV Policlinico Umberto I - Sapienza University	Rome	+39 06 4997 0698	Mon–Fri: 8:00–20:00
CAV A. Gemelli University Hospital,	Rome	+39 06 305 4343	Active 24/7
CAV AOU United Hospitals Foggia		+39 0881 732326	Active 24/7
CAV Bambino Gesù Children's Hospital	Rome	+39 06 6859 3726	Open 24/7
CAV AOU Integrated Verona (Borgo Trento)	Verona	+39 045 812 2970	Active 24/7


SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Criteria Regulation EC 1272/2008 (CLP):

-  Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: May explode 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.

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 Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Harmful physicochemical effects on human health and the environment:

No other danger

2.2. Label elements

Hazard pictograms:



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 advice:

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.

P261 Avoid breathing spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Do not release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off all contaminated clothing and wash it before reuse.

P391 Collect spillage.

P403+P233 Keep container tightly closed and in a well-ventilated place.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 Dispose of contents/container in accordance with regulations.

Special provisions:

None

Contains:

C6 isoalkane hydrocarbons < 5% n-hexane

Special provisions under Annex XVII of REACH and subsequent amendments:

None

2.3. Other dangers

No PBT, vPvB or endocrine disrupting substances present at concentrations $\geq 0.1\%$

Other dangers:

No other danger

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SECTION 3: Composition/information on ingredients

3.1. Substances

NA

3.2. Mixtures

Hazardous components according to the CLP Regulation and related classification:

Qty	Name	Identification number	Classification
>= 30% - < 40%	C6 isoalkane hydrocarbons < 5% n-hexane	Index - Number: CAS: - EC: 931-254-9 Reg. No.: 01-2119484651-34-XXXX	 2.6/2 Flam. Liq. 2 H225  3.10/1 Asp. Tox. 1 H304  3.2/2 Skin Irrit. 2 H315  4.1/C2 Aquatic Chronic 2 H411  3.8/3 STOT SE 3 H336
>= 30% - < 40%	propane	Index 601-003-00-5 Number: CAS: 74-98-6 EC: 200-827-9 Reg. No.: 01-2119486944-21-XXXX	 2.2/1 Flam. Gas 1 H220  2.5 Press. Gas H280
>= 12.5% - < 15%	butane	Index 601-004-00-0 Number: CAS: 106-97-8 EC: 203-448-7 Reg. No.: 01-2119474691-32-XXXX	 2.2/1 Flam. Gas 1 H220  2.5 Press. Gas H280
>= 7% - < 10%	and isobutane	Index 601-004-00-0 Number: CAS: 75-28-5 EC: 200-857-2 Reg. No.: 01-2119485395-27-XXXX	 2.2/1 Flam. Gas 1 H220  2.5 Press. Gas H280

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately.

Remove contaminated clothing immediately and dispose of it safely.

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

In case of contact with eyes:

In case of contact with eyes, rinse with water for an adequate period of time and holding the eyelids open, then consult an ophthalmologist immediately.

Protect the uninjured eye.

If swallowed:

DO NOT induce vomiting.

In case of inhalation:

Remove the injured person to fresh air and keep him warm and at rest.

4.2. Main symptoms and effects, both acute and delayed

Nobody

4.3. Indication of any need to immediately consult a doctor and require special treatment

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

Treatment:

Nobody

SECTION 5: Fire-fighting measures

- 5.1. Extinguishing media
 - Suitable extinguishing media:
CO2 or powder extinguisher.
 - Extinguishing media that must not be used for safety reasons:
No one in particular.
- 5.2. Special hazards arising from the substance or mixture
 - Do not inhale gases produced by explosion and combustion.
 - Combustion produces heavy smoke.
- 5.3. Recommendations for firefighters
 - Use appropriate respiratory equipment.
 - Collect contaminated firefighting water separately. Do not discharge into the sewer system.
 - If safe to do so, remove undamaged containers from the immediate danger area.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protective equipment.
 - Remove all sources of ignition.
 - Move people to safety.
 - See protective measures set out in points 7 and 8.
- 6.2. Environmental precautions
 - Prevent penetration into soil/subsoil. Prevent flow into surface water or sewer system.
 - Retain contaminated wash water and discard.
 - In case of gas leak or entry into waterways, soil or sewerage system, inform the responsible authorities.
 - Suitable material for collection: absorbent material, organic material, sand
- 6.3. Methods and materials for containment and remediation
 - Wash with plenty of water.
- 6.4. Reference to other sections
 - See also paragraphs 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapors and mists.
 - Do not use empty containers until they have been cleaned.
 - Before transferring, make sure that there are no residual incompatible materials in the containers.
 - Please also refer to paragraph 8 for recommended protective devices.
 - General recommendations on occupational hygiene:
Contaminated clothing must be changed before entering dining areas.
 - Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Always store in well-ventilated areas.
 - Store below 20°C. Keep away from open flames and heat sources. Avoid direct sunlight.
 - Keep away from open flames, sparks, and heat sources. Avoid direct exposure to sunlight.
 - Keep away from food, drink and feed.
 - Incompatible materials:
Nothing in particular.
 - Directions for the premises:

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Fresh and adequately ventilated.

- 7.3. Specific end uses
No particular use

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

C6 isoalkane hydrocarbons < 5% n-hexane

TLVTWA (EC): 1200 mg/m³ – 353 ppm

ACGIH - Note: Asphyxia

propane - CAS: 74-98-6

ACGIH - Notes: (D, EX) - Asphyxia

butane - CAS: 106-97-8

ACGIH - STEL: 1000 ppm - Notes: (EX) - CNS impair

and isobutane - CAS: 75-28-5

ACGIH - STEL: 1000 ppm - Notes: (EX) - CNS impair

DNEL Exposure Limit Values

NA

PNEC Exposure Limit Values

NA

8.2. Exposure controls

Eye protection:

Use closed safety visors, do not use eye lenses.

Skin protection:

Wear clothing that provides full skin protection, e.g. cotton, rubber, PVC, or Viton.

Hand protection:

Use protective gloves that guarantee total protection, e.g. PVC, neoprene, or rubber.

Respiratory protection:

Use appropriate respiratory protection.

Thermal risks:

Nobody

Environmental exposure controls:

Nobody

Suitable technical checks:

Nobody

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value
Appearance and color:	Very light straw yellow.
Odor:	Characteristic
Odor threshold:	NA
pH:	NA
Melting/Freezing Point:	NA
Initial boiling point and boiling range:	NA
Flash point:	<0 °C
Evaporation rate:	NA
Solid/gas flammability:	NA
Upper/lower flammability or explosive limits:	NA
Vapor pressure:	NA

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Vapor density:	NA
Relative density:	0.85 g/ml approx.
Water solubility:	Insoluble.
Solubility in oil:	Total
Partition coefficient (n-octanol/water):	NA
Autoignition temperature:	NA
Decomposition temperature:	NA
Viscosity:	NA
Explosive properties:	NA
Oxidizing properties:	NA

9.2. Other information

Property	Value
Miscibility:	NA
Lipid solubility:	NA
Conductivity:	NA
Characteristic properties of groups of substances	NA

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

May catch fire on contact with oxidizing mineral acids.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Nobody.

SECTION 11: Toxicological information

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

Toxicological information regarding the product:

NA

Toxicological information regarding the main substances present in the product:

NA

Unless otherwise specified, the data required by Regulation (EU) 2020/878 below are to be understood as NA:

- a) acute toxicity;
C6 isoalkane hydrocarbons, <5% n-hexane
LD50 (dermal): > 3350 mg/kg (Rabbit)
LD50 (oral): 16751 mg/kg (Rat)
LC50 (vapours if inhaled): 259 mg/l 4h (Rat)

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- b) skin corrosion/irritation;
 - c) serious eye damage/eye irritation;
 - d) respiratory or skin sensitization;
 - e) germ cell mutagenicity;
 - f) carcinogenicity;
 - g) reproductive toxicity;
 - h) specific target organ toxicity (STOT) — single exposure;
 - (i) specific target organ toxicity (STOT) — repeated exposure;
 - j) danger in case of aspiration.
- 11.2. Information on other hazards
Endocrine-disrupting properties:
No endocrine disruptors present at concentrations $\geq 0.1\%$

SECTION 12: Ecological information

- 12.1. Toxicity
Use according to good working practices, avoiding dispersing the product into the environment.
NA
- 12.2. Persistence and degradability
Nobody
NA
- 12.3. Bioaccumulative potential
NA
- 12.4. Mobility in soil
NA
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine-disrupting properties
No endocrine disruptors present at concentrations $\geq 0.1\%$
- 12.7. Other adverse effects
Nobody

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
The waste codes should be considered recommendations based on the foreseeable use of this product. Different codes may be assigned depending on the specific use and disposal characteristics of the user.
160504 gases in pressurized containers (including halons) containing hazardous substances.
Recover if possible. Send to authorized disposal facilities or for incineration under controlled conditions. Operate in accordance with current local and national regulations.

SECTION 14: Transport information

- 14.1 UN number:
- | | |
|-----------------|--------|
| ADR-UN Number: | A 1950 |
| IATA-UN Number: | A 1950 |
| IMDG-UN NUMBER: | A 1950 |
- 14.2 UN proper shipping name:
- | | |
|------------------------|---------|
| ADR-Shipping Name: | Aerosol |
| IATA-Technical name: | Aerosol |
| IMDG - Technical name: | Aerosol |
- Limited Quantity: max 1000ml Total gross mass of Package not exceed 30 kg LQ2
- 14.3 Transport hazard class(es):
- | | |
|------------|-------------------------------------|
| ADR-Class: | 2.1 |
| ADR-Label: | UN 1950 Aerosols – Limited quantity |

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IATA-Class:	2.1
IATA Label:	2.1
IMDG-Class:	2.1
IMDG Label:	UN 1950 Aerosols – Limited quantity
14.4 Packing group:	
ADR-Packing Group:	na
14.5 Environmental hazards	
Marine pollutant:	Yes
14.6 Special precautions for users	
IMDG - Technical name	Aerosols
Limited Quantity: max 1000ml Total gross mass of Package not exceed 30 kg LQ2	
IMDG-EMS: FD	
IMDG-MFAG: SU	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
Na	

SECTION 15: Regulatory information

15.1. Legislative and regulatory provisions on health, safety and environment specific for the substance or mixture

Legislative Decree 9/4/2008 n. 81

Ministerial Decree on Work 26/02/2004 (Occupational Exposure Limits)

Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1272/2008 (CLP)

Regulation (EC) no. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) No. 2020/878

Regulation (EU) No. 286/2011 (ATP 2 CLP)

Regulation (EU) No. 618/2012 (ATP 3 CLP)

Regulation (EU) No. 487/2013 (ATP 4 CLP)

Regulation (EU) No. 944/2013 (ATP 5 CLP)

Regulation (EU) No. 605/2014 (ATP 6 CLP)

Regulation (EU) No. 2015/1221 (ATP 7 CLP)

Regulation (EU) No. 2016/918 (ATP 8 CLP)

Regulation (EU) No. 2016/1179 (ATP 9 CLP)

Regulation (EU) No. 2017/776 (ATP 10 CLP)

Regulation (EU) No. 2018/669 (ATP 11 CLP)

Regulation (EU) No. 2018/1480 (ATP 13 CLP)

Regulation (EU) No. 2019/521 (ATP 12 CLP)

Regulation (EU) No. 2020/217 (ATP 14 CLP)

Regulation (EU) No. 2020/1182 (ATP 15 CLP)

Regulation (EU) No. 2021/643 (ATP 16 CLP)

Regulation (EU) No. 2021/849 (ATP 17 CLP)

Regulation (EU) No. 2022/692 (ATP 18 CLP)

Regulation (EU) No. 2023/707

Regulation (EU) No. 2023/1434 (ATP 19 CLP)

Regulation (EU) No. 2023/1435 (ATP 20 CLP)

Regulation (EU) No. 2024/197 (ATP 21 CLP)

Restrictions relating to the product or the substances contained in it according to Annex XVII of Regulation (EC) 1907/2006 (REACH) and subsequent amendments:

Product Restrictions:

 Restriction 3

 Restriction 40

Restrictions on the substances contained:

 No restrictions.

Where applicable, please refer to the following regulations:

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Ministerial Circulars 46 and 61 (Aromatic amines).
Directive 2012/18/EU (Seveso III)
Regulation 648/2004/EC (Detergents).
Legislative Decree 3/4/2006 n. 152 Environmental regulations
Dir. 2004/42/EC (VOC Directive)

Provisions relating to EU Directive 2012/18 (Seveso III):
Seveso Category III according to Annex 1, Part 1
The product belongs to the categories: P3a, E2

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the mixture.

SECTION 16: Other information

Text of the sentences used in paragraph 3:

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H411 Toxic to aquatic life with long lasting effects.
H336 May cause drowsiness or dizziness.
H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.

Hazard class and category	Code	Description
Flam. Gas 1	2.2/1	Flammable gas, Category 1
Aerosols 1	2.3/1	Aerosol, Category 1
Gas Press	2.5	Gas under pressure
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
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 Chronic 2	4.1/C2	Chronic (long-term) aquatic hazard, Category 2

This sheet has been revised in all its sections in compliance with Regulation 2020/878.
Classification and procedure used to derive it under Regulation (EC) 1272/2008 [CLP] in relation to mixtures:

Classification according to Regulation (EC) No 1272/2008	Classification procedure
Aerosols 1, H222, H229	Based on experimental evidence
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 has been prepared by a competent SDS technician who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

Safety data sheet

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
CCNL - Annex 1

National Institute of Health - National Inventory of Chemical Substances

The information contained herein is based on our current knowledge as of the date indicated. It refers solely to the product indicated and does not constitute a guarantee of specific qualities. The user is responsible for ensuring the suitability and completeness of such information in relation to the specific use to which it is to be put.

This card cancels and replaces any previous edition.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstract Service (division of the American Chemical Society).
CLP:	Classification, Labelling, Packaging.
DNEL:	Derived level without effect.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	International Air Transport Association (IATA) Dangerous Goods Regulations.
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical instructions of the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Dangerous Goods Code.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration for 50 percent of the tested population.
LD50:	Lethal dose for 50 percent of the tested population.
PNEC:	Expected no-effect concentration.
RID:	Regulations concerning the international carriage of dangerous goods by rail.
IS:	Estimation of acute toxicity
STAmix:	Acute Toxicity Estimation (Mixtures)
STEL:	Short-term exposure limit.
STOT:	Target organ specific toxicity.
TLV:	Threshold limit value.
TWA:	Time-weighted average
WGK:	German water hazard class.