

Updated on 06-03-17

Alu Grind Spray

Product code:

SPAG 400 ml

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

Company

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Product

Identification: Alu Grind Spray - SPAG

Application: Ensures that the abrasive material does not fill up with aluminium or other non-ferrous metals when grinding. The spray is non-greasy, so degreasing after use is not necessary.

SECTION 2: Hazards Identification

Main hazards:

Classification of the substance or mixture:

Classification of the substance or mixture in accordance with regulation (EU) 1272/2008:

Aerosol 1 H222, H229

STOT SE 3 H336

Aquatic Chronic 2 H411

Hazard Statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02

GHS07

GHS09

Signal word

Danger

Hazard Statements

- H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- 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 dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container to hazardous or special waste collection point.

Hazardous ingredients for labeling

Pentane

Other hazards

Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

Substances

not applicable

Mixtures

Description

Mixture of active ingredients with propellant

Hazardous ingredients

CAS nr.	EC nr.	Name	(%weight)	classification
106-97-8	203-448-7	butane	10 - 25	Flam. Gas 1, H220 / Press. Gas
109-66-0	203-692-4	pentane	50 - 75	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / STOT SE 3, H336 / Aquatic Chronic 2, H411
74-98-6	200-827-9	propane	10 - 25	Flam. Gas 1, H220 / Press. Gas

REACH

CAS nr.	Name	REACH registration number
74-98-6	propane	01-2119486944-21

SECTION 4: First Aid Measures

Description of the first aid measures

General Information

Remove contaminated soaked clothing immediately.

In case of inhalation:	Remove the casualty into fresh air and keep him immobile. In the event of symptoms refer for medical treatment.
In case of contact with skin:	In case of contact with skin wash off with soap and water. Consult a doctor if skin irritation persists.
In case of eye contact:	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
In case of ingestion:	Do not induce vomiting. Refer to medical treatment.

Most important symptoms and effects, both acute and delayed

Physician's information / possible symptoms

Anaesthetic state

Headache

Confusion

Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, Dry powder, Carbon dioxide, Water spray jet

Unsuitable extinguishing media: Full water jet

Special hazards arising from the substance or mixture: Danger of bursting

In case of fire formation of dangerous gases possible.

Advice for fire-fighters

Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Do not inhale explosion and/or combustion gases.

Additional information

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Use breathing apparatus if exposed to vapours/dust/aerosol.

Environmental precautions

Inform pollution control authorities if product gets into the sewerage systems or open waters.

Do not discharge into the drains or bodies of water.

Do not discharge into the drains/surface waters/groundwater.

Methods and materials for cleaning up and containment

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

After taking up the material dispose according to regulation.

Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and Storage

Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Do not spray on a naked flame or any incandescent material.
Pressurized container.
Do not pierce or burn even after use.
Protect from heat and sunlight.
Vapours can form an explosive mixture with air.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.
Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

Advice on storage compatibility

Do not store together with animal feedstuffs
Do not store together with food.

Further information on storage conditions

Protect from heat and direct solar radiation

Storage temperature may not exceed 50°C (=122°F).
Store container at cool and aired place.
Keep in a cool place.

Specific end use(s)

Recommendation(s) for intended use

See section 1.2

SECTION 8: Exposure controls/personal protection

Control parameters

Ingredients with occupational exposure limits to be monitored

CAS nr.	Name	Code	mg/m ³	ppm	Remark
106-97-8	Butane	8 hours	1450	600	EH40/2005
		Short-term	1810	750	

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

CAS nr.	Name	Code	mg/m ³	ppm	Remark
106-97-8	Butane	8 hours	1450	600	EH40/2005
		Short-term	1810	750	

Additional advice

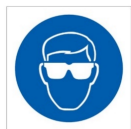
The statutory local and national regulations have to be observed.

Exposure controls

Respiratory protection:

Breathing apparatus in the event of aerosol or mist formation.
Short-term: filter apparatus, filter AX/P2, otherwise environment-independent breathing apparatus.

Eye protection: tightly fitting goggles



Hand protection:



In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.
Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile rubber; 0,4mm; 480min; 60min.
Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

Other protection: protective clothing



Appropriate engineering controls: Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

SECTION 9: Physical and chemical properties

Information on the basic physical and chemical properties

Appearance: aerosol
Colour: colourless, clear
Odour: characteristic
Odour threshold: not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
boiling point	-44 °C				
melting point	not determined				
Flash point	not applicable				Aerosol
Vapourisation rate	not applicable				
Flammable (solid)	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	285 °C				
Self ignition temperature					The product is not self-igniting.
Lower explosion limit	1,4 Vol-%				
Upper explosion limit	10,9 Vol-%				
Vapour pressure	8300 hPa				
Relative density	ca. 0,61 g/ml	20 °C			

Vapour density	not determined	
Solubility in water		No or low immiscibility
Solubility/other	not determined	
Partition coefficient noctanol/ water (log P O/W)	not determined	
Decomposition temperature	not determined	
Viscosity dynamic	not determined	
Viscosity kinematic	not determined	
Solvent content	ca. 94 %	
Solids content	ca. 6 %	

Oxidising properties

No information available.

Explosive properties

The product is considered non-explosive; nevertheless explosive vapour/air mixtures can be generated.

Other information

No information available

SECTION 10: Stability and reactivity

Reactivity:	No information available.
Chemical stability:	No information available.
Possible hazardous reactions:	No information available.
Conditions to avoid:	Keep away from heat. Formation of explosive gas/air mixtures.

Incompatible materials:	No information available.
Hazardous decomposition products:	Carbon monoxide and carbon dioxide.

Thermal decomposition

Remark No decomposition if used as directed.

SECTION 11: Toxicological information

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
Skin irritation	non-irritant			
Eye irritation	non-irritant			
Sin sensitization	non-sensitizing			

Additional information

The product is to be handled with the caution usual with chemicals.

Other hazardous properties may not be excluded.

The product has not been tested. The information is derived from products of similar composition.

SECTION 12: Ecological information

Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 4,26 mg/l (96 h)	Oncorhynchus mykiss		CAS: 109-66-0
Daphnia	EC50 2,7 mg/l (48 h)	Daphnia magna		CAS: 109-66-0
Algae	NOEC 7,51 mg/l (72 h)	Pseudokirchneriella subcapitata		CAS: 109-66-0

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

Other adverse effects

General regulation

Toxic to aquatic life with long lasting effects.

Toxic to fishes.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

SECTION 13: Disposal considerations

Waste treatment methods

Waste code No.	Name of waste
07 01 04*	other organic solvents, washing liquids and mother liquors
15 01 04	metallic packaging

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Dispose of according to the local waste regulations.

General information

For proper waste disposal a complete emptying of the tin is necessary.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
UN number	1950	1950	1950
UN proper shipping name	AEROSOLS (pentane)	AEROSOLS (pentane)	Aerosols, flammable (pentane)
Transport hazard class(es)	2.1	2.1	2.1
Packing group	-	-	-
Environmental hazards	Yes	Yes	Yes

Special precautions for user

No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

Land and inland navigation transport ADR/RID

Hazard label(s) 2.1

tunnel restriction code D

Classification code 5F

transport in "limited quantities" according to 3.4 ADR is possible

Marine transport IMDG

MARINE POLLUTANT

SECTION 15: Regulatory information

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

VOC standard

VOC content 94 %

VOC value 569,6 g/l

Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the

appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU directives,

WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 8.4

Sources of key data used

Danish MAL Code 2-1

VOC-CH 94,00%

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

This safety data sheet has been prepared in accordance with annex II/A of the 5EU Regulation) 453/2010. Classification has been calculated in accordance with European Directive 67/548/EWG, 1999/45/EC and regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care. However, we can accept no liability for damages of any nature whatsoever that may be caused as a result of using these data or the product concerned. Before using this preparation for an experiment or for a new application, the user must carry out a material suitability and safety study on his/her own.

Legal disclaimer:

The above information is believed to be correct but does not purport to be exhaustive and should be used only as a guide. This company shall not be held liable for damages resulting from the use of the above mentioned products.

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