

**AKCALI BOYA VE KİMYA SANAYİ TİCARET A.Ş.**

Revision No: 4

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082_K - AKCALI SPRAY SYNTHETIC METALLIC PAINT

Safety Data Sheet

Complies with Annex II of REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

Product name

AKCALI SPRAY SYNTHETIC METALLIC PAINT

UFI :

6KV0-E02T-6001-0ME2

CODE:

6723.082.S352-S355-S357-S359-S350-S351-S353-S354-S356-S358-S360-S361**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Intended use

Spray painting product.

Identified Uses	Industrial	Professional	Consumer
Spray paint based on acrylic resins in the solvent phase	-	✓	✓
Uses Advised Against			
Uses other than those recommended			

1.3. Information on the supplier of the safety data sheet**Company Name**

AKÇALI BOYA VE KİMYA SAN. TİC. A.Ş.

Address

OSMANGAZI MAH. MAREŞAL FEVZİ ÇAKMAK CAD. NO: 5

Location and Country

ESEN YURT / İSTANBUL

TURKEY

Tel: +90-212-8862343

Fax: +90-212-8861811

E-mail address of the authorized person:**Responsible for the safety data sheet**

zekir.senol@akcaliboya.com.tr

Placing on the market responsible entity

AKÇALI BOYA VE KİMYA SAN. TİC. A.Ş.

1.4. Emergency telephone number**For emergency information, consult:****Turkey:** +90 212 886 23 43 (08:00 – 17:00 / Monday - Friday)

National Toxic Consultation Center (Turkey): 114 (UZEM)

Telephone numbers of the main poison control centers in Germany (available 24/7):

Poison Control Center of Charité Universitätsmedizin - Berlin; Tel. 030 - 192 40

Information Center Against Poisoning - Bonn; Tel. 0228 - 192 40 - Tel. 0228 - 287 334 80

Poison Control Center - Erfurt; Tel. 0361 - 730 730

Poison Information Center - Freiburg; Tel. 0761 - 192 40

Poison Information Center North for the Länder of Bremen, Hamburg, Lower Saxony and Schleswig-Holstein (GIZNord); Tel. 0551 - 192 40

Poison Information Center for the Länder of Rhineland-Palatinate and Hesse - Mainz; Tel. 06131 - 192 40 - Tel. 06131 - 232 466

Poison Control Center Munich - Munich - Tel. 089 - 192 40

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

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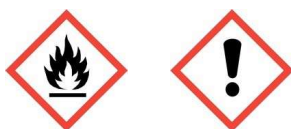
Hazard classification and indication:

Aerosol, category 1	H222	Extremely flammable aerosol.
	H229	Pressurized container: may burst if heated.
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Danger

Hazard statements:

H222	Extremely flammable aerosol.
H229	Pressurized container: may burst if heated.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures above 50°C / 122°F.
P501	Dispose of the product / container in accordance with local regulations.
P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.
P211	Do not spray on an open flame or other ignition source.

Contains: ACETONE
XYLENE, MIXTURE OF ISOMERS

VOC (Directive 2004/42/EC):

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Special finishes - All types.		
VOC given in g/litre of product in a ready-to-use condition :		622,50
Limit value:		840,00
2.3. Other hazards		
On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.		
The product does not contain substances with endocrine disrupting properties in concentration \geq 0.1%.		
SECTION 3. Composition/information on ingredients		
3.1. Substances		
Information not relevant		
3.2. Mixtures		
Contains:		
Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
ACETONE		
INDEX 606-001-00-8	$24 \leq x < 39$	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 200-662-2		
CAS 67-64-1		
REACH Reg. 01-2119471330--49		
XYLENE, MIXTURE OF ISOMERS		
INDEX 601-022-00-9	$10 \leq x < 25$	Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Irrit. 2 H315, Classification note according to Annex VI to the CLP Regulation: C ATE Dermal: 1100 mg/kg, ATE Inhalation mists/powders: 1,5 mg/l
EC 215-535-7		
CAS 1330-20-7		
REACH Reg. 01-2119488216-32		
PROPANE		
INDEX 601-003-00-5	$9 \leq x < 24$	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: U
EC 200-827-9		
CAS 74-98-6		
BUTANE		
INDEX 601-004-00-0	$7 \leq x < 9$	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: C, U
EC 203-448-7		
CAS 106-97-8		
ISOBUTANE		
INDEX 601-004-00-0	$5 \leq x < 7$	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: C, U
EC 200-857-2		
CAS 75-28-5		

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082_K - AKCALI SPRAY SYNTHETIC METALLIC PAINT**DIMETHYL CARBONATE**

INDEX 607-013-00-6 $1 \leq x < 3$ Flam. Liq. 2 H225
EC 210-478-4
CAS 616-38-6
REACH Reg. 01-2119548399-23-XXXX

The full wording of hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 32,00 %

SECTION 4. First aid measures**4.1. Description of first aid measures**

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

Specific information on symptoms and effects caused by the product are unknown.

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

If you feel unwell, contact a POISON CENTER / doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

SECTION 5. Firefighting measures**5.1. Extinguishing media**

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

6.2. Environmental precautions

Do not disperse in the environment.

6.3. Methods and material for containment and cleaning up

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage**7.1. Precautions for safe handling**

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

7.2. Conditions for safe storage, including any incompatibilities

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

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7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58 Ohtlike kemikaalide ja neid sisaldavate materjalide kasutamise töötervishoiu ja tööohutuse nõuded ning töökeskkonna keemiliste ohutegurite piirnormid [RT I, 21.12.2022, 14] Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021 Decreto Legislativo 9 Aprile 2008, n.81 Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006 Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 — ZVZD-1, 38/15, 78/18 in 78/19) Kimyasal Maddelerle Çalışmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik 12.08.2013 / 28733; 20.10.2023 / 32345. EH40/2005 Workplace exposure limits (Fourth Edition 2020) Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC. ACGIH 2023
EST	Eesti	
FRA	France	
ITA	Italia	
POL	Polska	
ROU	România	
SVN	Slovenija	
TUR	Türkiye	
GBR	United Kingdom	
EU	OEL EU	
	TLV-ACGIH	

ACETONE

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm
AGW	DEU	1200	500	2400	1000
MAK	DEU	1200	500	2400	1000
TLV	EST	1210	500		
VLEP	FRA	1210	500	2420	1000
VLEP	ITA	1210	500		
NDS/NDSch	POL	600		1800	
TLV	ROU	1210	500		
MV	SVN	1210	500	2420	1000
ESD	TUR	1210	500		
WEL	GBR	1210	500	3620	1500
OEL	EU	1210	500		
TLV-ACGIH			250		500
Predicted no-effect concentration - PNEC					
Normal value in fresh water			10,6	mg/l	
Normal value in marine water			1,06	mg/l	
Normal value for fresh water sediment			30,4	mg/kg	

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Health - Derived no-effect level - DNEL / DMEL					Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	62 mg/kg				
Inhalation			VND	200 mg/m3	VND	2420 mg/m3	VND	1210 mg/m3
Skin			VND	62 mg/kg			VND	186 mg/kg

PROPANE
Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	1800	1000	7200	4000	
MAK	DEU	1800	1000	7200	4000	
TLV	EST	1800	1000			
NDS/NDSch	POL	1800				
TLV	ROU	1400	778	1800	1000	
MV	SVN	1800	1000	7200	4000	
ESD	TUR	1800	1000			

XYLENE, MIXTURE OF ISOMERS					
Threshold Limit Value					

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV-ACGIH		434	0	0	0	

BUTANE	
Threshold Limit Value	
TLV-TWA	1000 ppm (3.5 g/m³)
TLV-STEL	2500 ppm (8.7 g/m³)
TLV-C	10000 ppm (35 g/m³)
TLV-SF6	10000 ppm (35 g/m³)
TLV-SF8	10000 ppm (35 g/m³)
TLV-SF10	10000 ppm (35 g/m³)
TLV-SF12	10000 ppm (35 g/m³)
TLV-SF14	10000 ppm (35 g/m³)
TLV-SF16	10000 ppm (35 g/m³)
TLV-SF18	10000 ppm (35 g/m³)
TLV-SF20	10000 ppm (35 g/m³)
TLV-SF22	10000 ppm (35 g/m³)
TLV-SF24	10000 ppm (35 g/m³)
TLV-SF26	10000 ppm (35 g/m³)
TLV-SF28	10000 ppm (35 g/m³)
TLV-SF30	10000 ppm (35 g/m³)
TLV-SF32	10000 ppm (35 g/m³)
TLV-SF34	10000 ppm (35 g/m³)
TLV-SF36	10000 ppm (35 g/m³)
TLV-SF38	10000 ppm (35 g/m³)
TLV-SF40	10000 ppm (35 g/m³)
TLV-SF42	10000 ppm (35 g/m³)
TLV-SF44	10000 ppm (35 g/m³)
TLV-SF46	10000 ppm (35 g/m³)
TLV-SF48	10000 ppm (35 g/m³)
TLV-SF50	10000 ppm (35 g/m³)
TLV-SF52	10000 ppm (35 g/m³)
TLV-SF54	10000 ppm (35 g/m³)
TLV-SF56	10000 ppm (35 g/m³)
TLV-SF58	10000 ppm (35 g/m³)
TLV-SF60	10000 ppm (35 g/m³)
TLV-SF62	10000 ppm (35 g/m³)
TLV-SF64	10000 ppm (35 g/m³)
TLV-SF66	10000 ppm (35 g/m³)
TLV-SF68	10000 ppm (35 g/m³)
TLV-SF70	10000 ppm (35 g/m³)
TLV-SF72	10000 ppm (35 g/m³)
TLV-SF74	10000 ppm (35 g/m³)
TLV-SF76	10000 ppm (35 g/m³)
TLV-SF78	10000 ppm (35 g/m³)
TLV-SF80	10000 ppm (35 g/m³)
TLV-SF82	10000 ppm (35 g/m³)
TLV-SF84	10000 ppm (35 g/m³)
TLV-SF86	10000 ppm (35 g/m³)
TLV-SF88	10000 ppm (35 g/m³)
TLV-SF90	10000 ppm (35 g/m³)
TLV-SF92	10000 ppm (35 g/m³)
TLV-SF94	10000 ppm (35 g/m³)
TLV-SF96	10000 ppm (35 g/m³)
TLV-SF98	10000 ppm (35 g/m³)
TLV-SF100	10000 ppm (35 g/m³)

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	2400	1000	9600	4000	
MAK	DEU	2400	1000	9600	4000	
TLV	EST	1500	800			
VLEP	FRA	1900	800			
NDS/NDSch	POL	1900		3000		
MV	SVN	2400	1000	9600	4000	
WEL	GBR	1450	600	1810	750	
WEL	GBR		4			RESP
TLV-ACGIH					1000	

Legend:

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(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

None required.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

RESPIRATORY PROTECTION

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	aerosol	
Colour	according to the range	
Odour	characteristic of solvent	
Melting point / freezing point	not available	
Initial boiling point	not applicable	
Flammability	flammable gas	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	not applicable	
Auto-ignition temperature	not available	
Decomposition temperature	not available	

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pH	not applicable	Reason for missing data:substance/mixture is non-polar/aprotic (eg: an organic solvent mixture)
Kinematic viscosity	not available	
Solubility	not available	
Partition coefficient: n-octanol/water	not applicable	Remark:(The product is a blend)
Vapour pressure	not available	
Density and/or relative density	not available	
Relative vapour density	not available	
Particle characteristics	not applicable	

9.2. Other information**9.2.1. Information with regard to physical hazard classes**

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2004/42/EC) :	0	
VOC (volatile carbon)	0,18 %	- 1,32 g/litre

SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

ACETONE

Decomposes under the effect of heat.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

ACETONE

Risk of explosion on contact with: bromine trifluoride, fluorine dioxide, hydrogen peroxide, nitrosyl chloride, 2-methyl-1,3 butadiene, nitromethane, nitrosyl perchlorate. May react dangerously with: potassium tert-butoxide, alkaline hydroxides, bromine, bromoform, isoprene, sodium, sulphur dioxide, chromium trioxide, chromyl chloride, nitric acid, chloroform, peroxymonosulphuric acid, phosphoryl oxychloride, chromosulphuric acid, fluorine, strong oxidising agents, strong reducing agents. Develops flammable gas on contact with: nitrosyl perchlorate.

10.4. Conditions to avoid

Avoid overheating.

ACETONE

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Avoid exposure to: sources of heat, naked flames.

10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

ACETONE

Incompatible with: acids, oxidising substances.

10.6. Hazardous decomposition products

ACETONE

May develop: ketenes, Irritant substances.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation - vapours) of the mixture:

Not classified (no significant component)

ATE (Inhalation - gas) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

ACETONE

LD50 (Dermal):

> 15800 mg/kg Coniglio

LD50 (Oral):

5800 mg/kg Ratto

LC50 (Inhalation vapours):

76 mg/l/4h Ratto

XYLENE, MIXTURE OF ISOMERS

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ATE (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP
(figure used for calculation of the acute toxicity estimate of the mixture)

LD50 (Oral): 5000 mg/kg

DIMETHYL CARBONATE

LD50 (Dermal): > 5000 mg/kg Coniglio

LD50 (Oral): 13000 mg/kg Ratto

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Excluded because the aerosol does not allow the accumulation of a significant amount of product in the mouth

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

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12.1. Toxicity

Information not available

12.2. Persistence and degradability**BUTANE**

Solubility in water 0,1 - 100 mg/l

Rapidly degradable

PROPANE

Solubility in water 0,1 - 100 mg/l

Rapidly degradable

ACETONE

Rapidly degradable

12.3. Bioaccumulative potential**BUTANE**

Partition coefficient: n-octanol/water 1,09

PROPANE

Partition coefficient: n-octanol/water 1,09

ACETONE

Partition coefficient: n-octanol/water -0,23

BCF 3

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be

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evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information**14.1. UN number or ID number**

ADR / RID, IMDG, IATA: UN 1950

14.2. UN proper shipping name

ADR / RID: AEROSOLS
IMDG: AEROSOLS
IATA: AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR / RID: Class: 2 Label: 2.1
IMDG: Class: 2 Label: 2.1
IATA: Class: 2 Label: 2.1

**14.4. Packing group**

ADR / RID, IMDG, IATA: -

14.5. Environmental hazards

ADR / RID: NO
IMDG: not marine pollutant
IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: --

Limited
Quantities: 1
lt

Tunnel
restriction
code: (D)

Special provision: 190, 327, 344, 625

IMDG: EMS: F-D, S-U

Limited
Quantities: 1
lt

IATA: Cargo:

Maximum
quantity: 150
kg

Packaging
instructions:
203

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Passengers:	Maximum quantity: 75 kg	Packaging instructions: 203
Special provision:	A145, A167, A802	

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: P3a

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

<u>Product</u>	
Point	40

Contained substance

Point	75
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Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Regulated explosives precursor

The acquisition, introduction, possession or use of that regulated explosives precursor by members of the general public is subject to reporting obligations as set out in Article 9.

All suspicious transactions and significant disappearances and thefts must be reported to the relevant national contact point.

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

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Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

VOC (Directive 2004/42/EC):

Special finishes - All types.

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances

ACETONE

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Gas 1A	Flammable gas, category 1A
Aerosol 1	Aerosol, category 1
Aerosol 3	Aerosol, category 3
Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Press. Gas (Liq.)	Liquefied gas
Acute Tox. 4	Acute toxicity, category 4
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurized container: may burst if heated.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level

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- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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Note for users:

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<p>The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.</p> <p>This document must not be regarded as a guarantee on any specific product property.</p> <p>The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.</p> <p>Provide appointed staff with adequate training on how to use chemical products.</p> <p>CALCULATION METHODS FOR CLASSIFICATION</p> <p>Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.</p> <p>Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.</p> <p>Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.</p> <p>Changes to previous review: The following sections were modified: 02 / 03 / 04 / 05 / 06 / 07 / 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15 / 16.</p>	