

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

Scanning Spray

Version number: SDS 1.0 Date of compilation: 2023-07-17

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

1.1 Product identifier

Trade nameScanning SprayRegistration number (REACH)not relevant (mixture)Unique formula identifier (UFI)Y6DS-M16E-T000-8536

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

Relevant identified uses. coating and paint

1.3 Details of the supplier of the safety data sheet

AprintaPro GmbH Gutheil Schoder Gasse 17 1230 Wien Austria

Telephone: +43 1 997809410 e-mail: office@aprintapro.com Website: https://www.aprintapro.com

e-mail (competent person) office@aprintapro.com

1.4 Emergency telephone number

Emergency information service +43 1 997809410

This number is only available during the following office hours:

Mon-Fri 08:00 - 16:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Category	Hazard class and category	Hazard state- ment
2.3	aerosols	1	Aerosol 1	H222,H229
4.1C	hazardous to the aquatic environment - chronic haz- ard	3	Aquatic Chronic 3	H412

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

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

- Signal word danger

- Pictograms

GHS02



- Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.
H412 Harmful to aquatic life with long lasting effects.



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- Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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.
P273 Avoid release to the environment.

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

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional labelling according to Directive 75/324/EEC relating to aerosol dispensers

Extremely flammable. Keep out of reach of children. Pressurized container: may burst if heated. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of \geq 0,1%.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Ider	ntifier	Wt%	Classification acc. to GHS
butane (containing ≥ 0,1 % butadiene (203-450-8))	CAS No	106-97-8	25 - < 50	Flam. Gas 1A / H220 Press. Gas L / H280
cyclopentane	CAS No	287-92-3	25 - < 50	Flam. Liq. 2 / H225 Asp. Tox. 1 / H304 Aquatic Chronic 3 / H412
propane	CAS No	74-98-6	25 - < 50	Flam. Gas 1A / H220 Press. Gas C / H280
Ethanol 99,9%	CAS No	64-17-5	10 - < 25	Flam. Liq. 2 / H225 Eye Irrit. 2 / H319
Isobutane	CAS No	75-28-5	2 - < 5	Flam. Gas 1A / H220 Press. Gas L / H280

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
Ethanol 99,9%	Eye Irrit. 2; H319: C ≥ 50 %	-	-	

For full text of abbreviations: see SECTION 16.



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SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up



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Advice on how to contain a spill

Covering of drains

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Flammability hazards

Do not spray on an open flame or other ignition source. Protect from sunlight.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

this information is not available

		Relevant	DNELs of components of	the mixture	
CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
287-92-3	DNEL	3.000 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
287-92-3	DNEL	432 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear protective gloves.



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- Material thickness

≥0,35mm

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

During spraying wear suitable respiratory equipment. In case of inadequate ventilation wear respiratory protection. Filtering half mask (EN 149). P1 (filters at least 80 % of airborne particles, colour code: White).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state liquid, gaseous (spray aerosol)

Colour white

 Odour
 characteristic

 Melting point/freezing point
 not determined

Boiling point or initial boiling point and boiling range -161,5 °C at 1.013 hPa

Flammability flammable aerosol in accordance with GHS criteria

Auto-ignition temperature 361 °C (auto-ignition temperature (liquids and gases))

 Decomposition temperature
 not relevant

 PH (value)
 not determined

 Kinematic viscosity
 not relevant

 Solubility(ies)
 not determined

Partition coefficient

Partition coefficient n-octanol/water (log value) this information is not available

Vapour pressure 5,254 PSI at 70 °F

Density and/or relative density

Density $0,6978 \, ^{\rm g}/_{\rm cm^3}$ at 25 $^{\circ}{\rm C}$

Relative vapour density information on this property is not available

Particle characteristics not relevant (aerosol)

9.2 Other information

Information with regard to physical hazard classes

Aerosols

- Components (flammable) 100 %

Other safety characteristics

Propellant content 65 %

Temperature class (EU, acc. to ATEX)

T2 (maximum permissible surface temperature on the equipment:

300°C)



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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Do not spray on an open flame or other ignition source. Keep away from heat.

Hints to prevent fire or explosion

Protect from sunlight.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if inhaled.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.



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11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

	Aqua	itic toxicity (chronic) of c	omponents of the mixture	
CAS No	Endpoint	Value	Species	Exposure time
287-92-3	EL50	475 ^{mg} / _l	microorganisms	15 h
64-17-5	LC50	1.806 ^{mg} / _l	aquatic invertebrates	10 d
64-17-5	ErC50	675 ^{mg} / _I	algae	4 d

12.2 Persistence and degradability

		Degradability of comp	onents of the mixture		
CAS No	Process	Degradation rate	Time	Method	Source
287-92-3	carbon dioxide genera- tion	0 %	28 d		ECHA
287-92-3	oxygen depletion	3 %	7 d		ECHA
64-17-5	oxygen depletion	69 %	5 d		ECHA

12.3 Bioaccumulative potential

Data are not available.

	Bioaccumulati	ve potential of components of the mixture	
CAS No	BCF	Log KOW	BOD5/COD
106-97-8		1,09 (pH value: 7, 20 °C)	
287-92-3	≥11,73 - ≤69,07	3 (pH value: 7, 25 °C)	
64-17-5		-0,77	0,6211
75-28-5		1,09 (pH value: 7, 20 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0.1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of \geq 0,1%.

12.7 Other adverse effects

Data are not available.



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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID numb

ADR/RID/ADN UN 1950
IMDG-Code UN 1950
ICAO-TI UN 1950

14.2 UN proper shipping name

ADR/RID/ADN AEROSOLS
IMDG-Code AEROSOLS

ICAO-TI Aerosols, flammable

14.3 Transport hazard class(es)

 ADR/RID/ADN
 2 (2.1)

 IMDG-Code
 2.1

 ICAO-TI
 2.1

14.4 Packing group not assigned

14.5 Environmental hazards non-environmentally hazardous acc. to the dangerous goods reg-

ulations

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

14.8 Information for each of the UN Model Regulations

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) - Additional information

Classification code 5F
Danger label(s) 2.1



Special provisions (SP) 190, 327, 344, 625

Excepted quantities (EQ) E0
Limited quantities (LQ) 1 L
Transport category (TC) 2
Tunnel restriction code (TRC) D



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International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant Danger label(s) 2.1

(1)

Special provisions (SP) 63, 190, 277, 327, 344, 381, 959

Excepted quantities (EQ) E0
Limited quantities (LQ) 1 L
EmS F-D, S-U
Stowage category -

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Danger label(s) 2.1



Special provisions (SP) A145, A167

Excepted quantities (EQ) E0
Limited quantities (LQ) 30 kg

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)				
Name of substance	Name acc. to inventory	CAS No	No	
Ethanol 99,9%	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3	
Ethanol 99,9%	flammable / pyrophoric		40	
Ethanol 99,9%	substances in tattoo inks and permanent make-up		75	
cyclopentane	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3	
cyclopentane	flammable / pyrophoric		40	
propane	flammable / pyrophoric		40	
butane (containing ≥ 0,1 % butadiene (203-450-8))	flammable / pyrophoric		40	
Isobutane	flammable / pyrophoric		40	

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list none of the ingredients are listed

Seveso Directive

	2012/18/EU (Seveso III)					
No	No Dangerous substance/hazard categories Qualifying quantity (tonnes) for the application of lower and upper-tier requirements			Notes		
P3a	flammable aerosols (containing Flam. Gas or Flam. Liq., cat. 1)	150	500	46)		

Notation

^{46) &#}x27;flammable' aerosols category 1 or 2, containing flammable gases category 1 or 2 or flammable liquids category 1 Note: qualifying quantity = net



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Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR) none of the ingredients are listed

Water Framework Directive (WFD)

	List of pollutants (WFD)	
Name of substance	CAS No	Listed in	Remarks
Ethanol 99,9%		a)	
Isobutane		a)	

Legend

 \overline{A} Indicative list of the main pollutants

Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

National inventories

Country	Inventory	Status
AU	AIIC	all ingredients are listed
CA	DSL	all ingredients are listed
CN	IECSC	all ingredients are listed
EU	ECSI	all ingredients are listed
EU	REACH Reg.	all ingredients are listed
JP	CSCL-ENCS	all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	all ingredients are listed
MX	INSQ	all ingredients are listed
NZ	NZIoC	all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	all ingredients are listed
TW	TCSI	all ingredients are listed
US	TSCA	all ingredients are listed (ACTIVE)

Legend

AIIC Australian Inventory of Industrial Chemicals CICR

Chemical Inventory and Control Regulation List of Existing and New Chemical Substances (CSCL-ENCS) **CSCL-ENCS**

DSL Domestic Substances List (DSL)

EC Substance Inventory (EINECS, ELINCS, NLP) ECSI IECSC

Inventory of Existing Chemical Substances Produced or Imported in China National Inventory of Chemical Substances

INSQ

ISHA-ENCS

KFCL N7IoC

Inventory of Existing and New Chemical Substances (ISHA-ENCS)
Korea Existing Chemicals Inventory
New Zealand Inventory of Chemicals
Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH registered substances **PICCS**

REACH Reg. **TCSI** Taiwan Chemical Substance Inventory TSCA Toxic Substance Control Act

15.2 Chemical safety assessment

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



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SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
ADR/RID/ADN	Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a sp cified time interval
log KOW	n-Octanol/water
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
Press. Gas	Gas under pressure
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
SVHC	Substance of Very High Concern



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Abbr.	Descriptions of used abbreviations
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture. Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised 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.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.