Safety Data Sheet
UNBLOCKING SPRAY

Safety Data Sheet dated 7/10/2015, version 1

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

1.1. Product identifier

Mixture identification:

Trade name: UNBLOCKING SPRAY

Model name: EW5620

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

Recommended use:

Technical product

1.3. Details of the supplier of the safety data sheet

Company:

ALBINA S.R.L. - Via Crocevia, 12 – 39057 – Appiano sulla strada del Vino (BZ)

ALBINA S.R.L. – info@ewent-online.com

Competent person responsible for the safety data sheet:

info@ewent-online.com

1.4. Emergency telephone number

CAVp “Osp. Pediatrico Bambino Gesù”RomaPiazza Sant’Onofrio, 400165 0668593726

Az. Osp. Univ. FoggiaFoggiaV.le Luigi Pinto, 171122 0881-732326

Az. Osp. "A. Cardarelli"NapoliVia A. Cardarelli, 980131 081-7472870M.

CAV Policlinico "Umberto I"RomaV.le del Policlinico, 155161 06-49978000

CAV Policlinico "A. Gemelli"RomaLargo Agostino Gemelli, 8168 06-3054343

Az. Osp. "Careggi" U.O. Tossicologia MedicaFirenzeLargo Brambilla, 350134 055-7947819

CAV Centro Nazionale di Informazione TossicologicaPaviaVia Salvatore Maugeri, 1027100 0382-24444

Osp. Niguarda Ca' GrandaMilanoPiazza Ospedale Maggiore,320162 02-66101029M.

Azienda Ospedaliera Papa Giovanni XXIIBergamoPiazza OMS, 124127 800883300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.

Warning, STOT SE 3, May cause drowsiness or dizziness.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Danger

Hazard statements:

H222+H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H336 May cause drowsiness or dizziness.

Precautionary statements:

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

P102 Keep out of reach of children.

P103 Read label before use.

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.
P271 Use only outdoors or in a well-ventilated area.
P405 Store locked up.
P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:
None

Contents:

Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
vPvB Substances: None - PBT Substances: None

Other Hazards:
possible formation in places not well ventilated misclele of explosive vapor / air

SECTION 3: Composition/information on ingredients

3.1. Substances
N.A.

3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
33.3 %	GPL	CAS: 68476-40-4 EC: 270-681-9 REACH No.: 01-2119486557-22-XXXX	2.5/C Compr. Gas H280 2.2/1 Flam. Gas 1 H220 DECLK (CLP)*
32.9 %	Hydrocarbons,c9-c11,n-alkanes,isoalkanes,cyclics,<2%aromatics	CAS: 64742-48-9 EC: 919-857-5 REACH No.: 01-2119463258-33	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336 3.10/1 Asp. Tox. 1 H304
0.412 %	dioleate diamine alkyl olelca	CAS: 40027-38-1 EC: 254-754-2	3.1/4/Oral Acute Tox. 4 H302 3.2/1A Skin Corr. 1A H314 4.1/A1 Aquatic Acute 1 H400

*DECLK (CLP): This substance is classified in accordance with Note K, Annex VI of EC Regulation CE 1272/2008. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3-butadiene (EINECS No 203-450-8). If the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 (Table 3.1) or the S-phrases (2-)9-16 (Table 3.2) should apply. This note applies only to certain complex oil-derived substances in Part 3.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:
Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

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

Treatment:

Follow your doctor's instructions

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.
See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
Section 10.
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)

lubricant professional use

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Spray can	--	--
Odour:	sweet of solvent	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	< 0 ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--

Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	3,2 bar (gpl)	--	--
Vapour density:	> 2	--	--
Relative density:	0.8kg/l	--	--
Solubility in water:	undissolvable	--	--
Solubility in oil:	complete	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	400°C (gas)	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	possible formation in places not well ventilated misclele of explosive vapor / air	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes:**
Miscibility:	in organic solvent	--	--
Fat Solubility:	yes	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

1. Reactivity
Stable under normal conditions
10.2. chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
It may catch fire on contact with oxidising mineral acids.
10.4. Conditions to avoid
heat, flames and scintille.esposizione to light and moisture
keep away from heat sources, ignition sources
10.5. incompatible materials
oxidizing agents
10.6. Hazardous decomposition products
the product is flammable, as a result of combustion can lead to the formation of dangerous decomposition products
by thermal decomposition can be released COx

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological information of the mixture:
N.A.
Toxicological information of the main substances found in the mixture:

GPL - CAS: 68476-40-4
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat > 658 mg/l
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, Cyclics, <2% Aromatics - CAS: 64742-48-9
a) Acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat> 495 100 000 mg / m3
Test: LD50 - Via: Oral - Species: Rat> 500 000 000 mg / kg
Test: LD50 - Via: Leather - Species: Rabbit> 500 000 000 mg / kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:
a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
GPL - CAS: 68476-40-4
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish Negative 19 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia Negative 14.2 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae Negative 7.7 mg/l - Duration h: 96
12.2. Persistence and degradability
None
N.A.
12.3. Bioaccumulative potential
N.A.
12.4. Mobility in soil
N.A.
12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
12.6. Other adverse effects
None

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number
ADR-UN number: 1950
IATA UN-Number: 1950
IMDG UN-Number: 1950
14.2. proper shipping name
14.3. of Transport hazard classes

ADR-Class: 2.5 ° F CAP. 2.2.2.1.6 UN1950
IATA-Class: 2.1
IMDG-Class: 2 UN 1950 Aerosols
14.4. Packing group
14.5. Environmental hazards
Marine pollutant: No
14.6. Special precautions for user
IMDG-Page: 2102
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
No

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
None

Where applicable, refer to the following regulatory provisions :
Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
N.A.

15.2. Chemical safety assessment
No

SECTION 16: Other information

Text of phrases referred to under heading 3:
H280 Contains gas under pressure; may explode if heated.
H220 Extremely flammable gas.
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

This safety data sheet has been completely updated in compliance to Regulation 2015/830.
This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.