



# SAFETY DATA SHEET

DATE OF COMPILATION: 01.12.2016

REVISION: 15.12.2022

VERSION NUMBER: 2.0

Safety data sheet in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. PRODUCT IDENTIFIER

Trade name: REFILL FOR AUTOMATIC AIR FRESHENER "AROLA" CITRUS COCTAIL 250ml

Designation: Aerosol refill for automatic air freshener.

### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses: Product for refreshing rooms.

Uses advised against: each type of uses not mentioned above and in point 7.3.

### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

Supplier: "POL-HUN" M. BIELSKA SP. J.

Address: 11 Listopada 65, 95-040 Koluszki, Poland

Telephone: +48 (44) 725 30 00

E-mail address for a person responsible for the SDS: polhun@polhun.pl

### 1.4. EMERGENCY TELEPHONE NUMBER

+48 (44) 725 30 19 ( LABORATORY „POL-HUN” M. BIELSKA SP. J. (available during working days from 7<sup>00</sup> a.m. up 20<sup>00</sup> p.m.)

112 (EMERGENCY TELEPHONE NUMBER)

## SECTION 2 : HAZARDS IDENTIFICATION

### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

The mixture is classified according to REGULATION (EC) No 1272/2008 as:

Aerosol 1 – Aerosol of hazard category 1 with hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

### 2.2. LABEL ELEMENTS

Hazard pictograms:



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**Signal word:** **Danger**

**Hazard statements:**

**H222** **Extremely flammable aerosol.**

**H229** **Pressurised container: May burst if heated.**

**Precautionary Statements:**

**P102** **Keep out of reach of children.**

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

**P261** **Avoid breathing gas and spray.**

**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.**

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

**P403** **Store in a well-ventilated place.**

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

**EUH208** **Contains: Geraniol, Citronellol, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde. May produce an allergic reaction.**

### 2.3. **OTHER HAZARDS**

The substances of the mixture do not meet the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) (at a concentration equal to or greater than 0,1 % by weight) in accordance with Annex XIII of (REACH) regulation.

The substances of the mixture are not included in the list established in accordance with Article 59(1) of (REACH) regulation for having endocrine disrupting properties (at a concentration equal to or greater than 0,1 % by weight).

The substances of the mixture are not identified as having endocrine disrupting properties (at a concentration equal to or greater than 0,1 % by weight) in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605(4).

Aerosol product is extremely flammable, vapors may generate explosive mix when coming in contact with air, vapors are heavier than air; in case of fire, they can ignite, even if they are quite far from the point of release; product ignition occurs through heating, contact with flames or sparkles. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after use. Keep away from sources of ignition – Do not smoke.

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### 3.1. **SUBSTANCES**

not applicable.

### 3.2. **MIXTURES**

Hazard substances and substances for which there are Community workplace exposure limits

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Substance name	Concentration (% m/m)	Number CAS	Number WE	Number registration	Classification in accordance with Directive (WE) nr 1272/2008
Butane	30 - 50	106-97-8	203-448-7	01-2119474691-32- xxxx	Flam. Gas 1; H220 Press. Gas; H280
Propane	15 - 30	74-98-6	200-827-9	01-2119486944-21- xxxx	Flam. Gas 1; H220 Press. Gas; H280
Ethanol	30 – 40	64-17-5	200-578-6	-	Flam. Liq. 2; H225 Eye Irrit. 2; H319 Specific concentration limits: Eye Irrit. 2; H319 C >=50%
Geraniol ( <i>ingredient of fragrance</i> )	< 0,15	106-24-1	203-377-1	01-2119552430-49- xxxx	Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317
Allyl hexanoate ( <i>ingredient of fragrance</i> )	< 0,15	123-68-2	204-642-4	-	Acute Tox. 3; H301 Acute Tox. 3; H311 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411
Citronellol ( <i>ingredient of fragrance</i> )	< 0,15	106-22-9	203-375-0	01-2119453995-23- xxxx	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317
2,4-dimethylcyclohex-3- ene-1-carbaldehyde ( <i>ingredient of fragrance</i> )	< 0,15	68039-49-6	268-264-1	-	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 3; H412
Allyl heptanoate ( <i>ingredient of fragrance</i> )	< 0,15	142-19-8	205-527-1	01-2119488961-23- xxxx	Acute Tox. 4; H302 Acute Tox. 3; H311 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

Full texts of hazard statements is listed in section 16.

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### **SECTION 4 : FIRST AID MEASURES**

#### **4.1 DESCRIPTION OF FIRST AID MEASURES**

##### **Inhalation:**

- injured person move to the well ventilated room;
- keep in rest and warm;
- seek medical attention.

##### **Eye:**

- flush with plenty of water for at least 10-15 minutes with the eyelids held wide open, avoid strong stream of water, which can cause cornea injury;
- do not use any medicines before getting medical attention;
- remove any contact lenses;
- seek medical attention;

##### **Skin:**

- remove contaminated clothing;
- flush with plenty of water;
- seek medical advice.

##### **Ingestion:**

- rinse mouth with plenty of water;
- seek medical attention.

#### **4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS BOTH ACUTE AND DELAYED**

- inhalation – irritation of the respiratory tract, drowsiness;
- skin contact - may cause frostbite and allergic reaction;
- eye contact – may cause irritation;
- ingestion – may cause nausea, vomiting.

#### **4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

No data available.

### **SECTION 5. FIREFIGHTING MEASURES**

#### **5.1. EXTINGUISHING MEDIA**

Suitable extinguishing media: water spray, foam, extinguishing dry chemical powder, carbon dioxide.  
Unsuitable extinguishing media: water jet.

#### **5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

Aerosol product is extremely flammable, vapors may generate explosive mix when coming in contact with air, vapors are heavier than air; in case of fire, they can ignite, even if they are quite far from the point of release; product ignition occurs through heating, contact with flames or sparkles. Aerosol may explode from internal pressure build-up when exposed to temperature exceeding 50°C.

Hazardous combustion products: carbon oxides, toxic gas and smoke.

#### **5.3. ADVICE FOR FIREFIGHTERS**

Wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Cool down intact aerosol containers with water to prevent bursting.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

##### **For non-emergency personnel:**

- remove all source of fire from dangerous area;
- do not smoke;
- avoid contact with skin and eyes;
- do not breathe spray;

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- wear chemical protection gloves and suits;
- wear appropriate goggles;
- For emergency responders:**
- avoid contact with skin and eyes;
- wear chemical protection gloves (nitrile rubber) and suits;
- wear appropriate goggles.

### 6.2. **ENVIRONMENTAL PRECAUTIONS**

- keep away from drains, surface- and ground-water and soil.
- contact with local authority when industrial quantities are released.

### 6.3. **METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

- use dry sand, earth, diatomite or other adsorbent material to adsorb the spilt product;
- collect free product and transfer it to suitable tanks or containers for safe disposal;
- rinse away residue with plenty of water;
- dispose of according to the local regulations.

### 6.4. **REFERENCE TO OTHER SECTIONS**

Information regarding safe handling – see section 7.

## SECTION 7: HANDLING AND STORAGE

### 7.1. **PRECAUTIONS FOR SAFE HANDLING**

- handle in accordance with good manufacturing practices and personal hygiene;
- avoid contact with skin and eyes;
- do not eat, drink and smoke during work;
- do not breathe vapour and aerosols;
- clean hands after work and use hand-cream;
- vapours of the product may form flammable compositions with air, may explode; work in well ventilated room;**
- product is extremely flammable - keep away from sunlight, source of heat and source of fire;**
- product is pressurized container - protect from sunlight and do not expose to temperatures exceeding 50°C;**
- avoid static electricity storage;

### 7.2. **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

- storage only in original containers;
- keep container upright and tightly closed;
- keep away from sunlight, source of heat and source of fire;
- protect from sunlight and do not expose to temperatures exceeding 50°C;
- optimal storage temperature 15°C - 25°C.
- do not pierce or burn after use.
- do not smoke in store;
- keep away from food;
- keep away from strong oxidant, chlorine, oxygen.

### 7.3. **SPECIFIC END USE(S)**

No data available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. **CONTROL PARAMETERS**

*The mixture does contain substances with the national occupational exposure limit values.*

Substance name and CAS number	OEL-TWA		STEL		Country, Publication
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
n-Butane [106-97-8]	-	1900	-	3000	[Poland] Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 (DZ.U. 2018 poz. 286)
n-Butane [106-97-8]	-	-	980(1)	2370(1)	[Belgium]

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n-Butane [106-97-8]	500	1200	1000	2400	[Denmark]
n-Butane [106-97-8]	800	1900	-	-	[France]
n-Butane [106-97-8]	1000	2400	4000(1)	9600 (1)	[Germany]
n-Butane [106-97-8]	-	2350	-	9400	[Hungary]
n-Butane [106-97-8]	-	300	-	-	[Latvia]
n-Butane [106-97-8]	800	1935	-	-	[Spain]
n-Butane [106-97-8]	600	1450	750	1840	[United Kingdom]

**Remarks:****Germany:** (1) 15 minutes average value.**Belgium:** (1) 15 minutes average value.

Source: Based on GESTIS International Limit values Database.

Substance name and CAS number	OEL-TWA		STEL		Country, Publication
	ppm	mg/m <sup>3</sup>	ppm	mg/ m <sup>3</sup>	
propane [74-98-6]	-	1800	-	-	[Poland] Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 (DZ.U. 2018 poz. 286)
propane [74-98-6]	1000	-	-	-	[Belgium]
propane [74-98-6]	1000	1800	2000	3600	[Denmark]
propane [74-98-6]	1000	1800	4000(1)	7200 (1)	[Germany]
propane [74-98-6]	1000	1800	-	-	[Latvia]
propane [74-98-6]	778	1400	1000(1)	1800 (1)	[Romania]
propane [74-98-6]	1000	-	-	-	[Spain]
propane [74-98-6]	1000	1800	4000	7200	[Switzerland]

**Remarks:****Germany:** (1) 15 minutes average value.**Romania:** (1) 15 minutes average value.

Source: Based on GESTIS International Limit values Database.

Substance name and CAS	OEL-TWA	STEL	Country, Publication
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<i>number</i>	<i>ppm</i>	<i>mg/m<sup>3</sup></i>	<i>ppm</i>	<i>mg/ m<sup>3</sup></i>	
Ethanol [64-17-5]	-	1900	-	-	[Poland] Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 (DZ.U. 2018 poz. 286)
Ethanol [64-17-5]	1000	1907	-	-	[Belgium]
Ethanol [64-17-5]	1000	1900	2000	3800	[Denmark]
Ethanol [64-17-5]	1000	1900	5000	9500	[France]
Ethanol [64-17-5]	200	380	800(1)	1520 (1)	[Germany]
Ethanol [64-17-5]	-	-	1000(1)	-	[Ireland]
Ethanol [64-17-5]	-	1000	-	-	[Latvia]
Ethanol [64-17-5]	1000	1900	5000	9500 (1)	[Romania]
Ethanol [64-17-5]	-	-	1000	1910	[Spain]
Ethanol [64-17-5]	500	1000	1000	1900	[Sweden]
Ethanol [64-17-5]	1000	1920	-	-	[United Kingdom]

**Remarks:**

**Germany:** (1) Excluding ultrafine particles

**Ireland:** (1) 15 minutes average value.

**Romania:** (1) 15 minutes average value.

Source: Based on GESTIS International Limit values Database.

*The mixture does not contain substances with the national occupational exposure limit values that correspond to Union occupational exposure limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(3) of Commission Decision 2014/113/EU;*

*The mixture does not contain substances with the national occupational exposure limit values that correspond to Union limit values in accordance with Directive 2004/37/EC, including any notations as referred to in Article 2(3) of Decision 2014/113/EU;*

*The mixture does not contain substances with the national biological limit values that correspond to Union biological limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(3) of Decision 2014/113/EU;*

**8.2. EXPOSURE CONTROLS**

**Personal protective equipment:**

**Respiratory protection:**

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- is not required during normal operations in a workplace; wear respiratory protection with filter AX, if the vapour of product appear.

### **Eye protection:**

- is not required during normal operations in a workplace, wear protective goggle if the vapour of product appear.

### **Skin protection:**

- is not required during normal operations in a workplace, wear chemical protection gloves (nitrile rubber) in case of long contact with product.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	aerosol
Colour:	colourless
Odour :	characteristic
Melting point/freezing point:	not applicable
Boiling point or initial boiling point and boiling range:	not determined for the product; -40°C – 0,0°C for the mixture n-butan/propan
Flammability:	extremely flammable aerosol
Lower and upper explosion limit:	not determined for the product; 11,2% (V) for the mixture n-butan/propan / not determined for the product; 1,5% (V) for the mixture n-butan/propan
Flash point:	does not apply
Auto-ignition temperature:	not determined for the product; >350°C for the mixture n-butan/propan
Decomposition temperature:	does not apply
pH:	does not apply
Kinematic viscosity:	does not apply
Solubility:	not determined
Partition coefficient: n-octanol/water (log value):	does not apply
Vapour pressure:	not determined for the mixture; 210kPa – 900 kPa (20°C) for the mixture n- butan/propan
Density and/or relative density:	not determined for the mixture; 0,5-0,6 g/cm <sup>3</sup> (20°C) for the mixture n- butan/propan
Relative vapour density:	not determined
Particle characteristics:	does not apply

### **9.2. OTHER INFORMATION**

**Aerosol product.**

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. REACTIVITY**

The reactivity hazards of mixture has not been tested.

### **10.2. CHEMICAL STABILITY**

Product is stable under recommended conditions of storage.

### **10.3. POSSIBILITY OF HAZARDOUS REACTIONS**

Vapours may generate explosive mix when coming in contact with air.

### **10.4. CONDITIONS TO AVOID**

Keep away from sunlight and temperature above 50°C; keep away from source of heat and source of fire.

### **10.5. INCOMPATIBLE MATERIALS**

Oxidant, chlorine, oxygen.

### **10.6. HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon oxides; toxic gas and smoke.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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**11.1. INFORMATION ON HAZARD CLASSES DEFINED IN REGULATION (EC) No 1272/2008****Acute toxicity:**

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

ATE mix (oral) ~ 55000 mg/kg. (calculated according point 3.1.3.6.1. Annex I of Regulation CLP 1272/2008).

ATE mix (dermal) ~ 100 000 mg/kg. (calculated according point 3.1.3.6.1. Annex I of Regulation CLP 1272/2008).

Acute toxicity of hazardous substances:

<i>Name and CAS-No of hazardous substance</i>	<i>Value</i>	<i>Route of application</i>	<i>Species</i>
Butane [106-97-8]	LC50: 658mg/l/4hours	inhalation	rat
	LC50: 680mg/l/2hours	inhalation	mouse
Propane [74-98-6]	LC50: 658mg/l/4hours	Inhalation	rat
	LC50: 680mg/l/2hours	Inhalation	mouse
	EC50: 510mg/l/10minutes	Inhalation	rat
Ethanol [ 64-17-5]	LD50: 7060 mg/kg	oral	rat
	LD50: >20000 mg/kg	dermal	rabbit
	LC50: 38,4 mg/l/10h	inhalation	rat

**Skin corrosion/irritation:**

The mixture has not been tested. Based on the available data of the ingredients the mixture is classified as: Irritating to skin.

**Butane CAS [106-97-8], Propane CAS [74-98-6]:**

May cause frost-bite.

**Serious eye damage/eye irritation:**

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

**Butane CAS [106-97-8], Propane CAS [74-98-6]:**

May cause frost-bite.

**Respiratory or skin sensitization:**

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met, but the mixture contains: **Geraniol, Citronellol, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde;** may produce an allergic reaction.

**Butane CAS [106-97-8], Propane CAS [74-98-6]:**

The classification criteria are not met.

**Germ cell mutagenicity:**

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

**Butane CAS [106-97-8], Propane CAS [74-98-6]:**

The classification criteria are not met.

**Carcinogenicity:**

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

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### **Reproductive toxicity:**

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

### **Butane CAS [106-97-8], Propane CAS [74-98-6]:**

The classification criteria are not met.

### **STOT – single exposure:**

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

### **STOT – repeated exposure:**

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

### **Butane CAS [106-97-8], Propane CAS [74-98-6]:**

The classification criteria are not met.

### **Aspiration hazard:**

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met – the product is a mixture in aerosol container.

### **Routes of exposure**

The mixture has not been tested – no available data.

Routes of exposure for the mixture propane/butane:

- inhalation – may cause caught; vapour may acts as narcotic; high concentration in the air may cause loss of consciousness.
- skin contact - may cause frostbite;
- eye contact – may cause frostbite;
- ingestion – nausea, vomiting.

## **11.2. INFORMATION ON OTHER HAZARDS**

### **Endocrine disrupting properties**

The substances of the mixture are not identified as having endocrine disrupting properties for human health (at a concentration equal to or greater than 0,1 % by weight) in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605(4).

### **Other information**

No data.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1. TOXICITY**

The mixture has not been tested - no available data. Based on the available data of the ingredients the classification criteria are not met.

### **Butane CAS [106-97-8]:**

Fish - LC50: 6,0 mg/l/96hours;

### **Propane CAS [74-98-6]:**

Fish - LC50: 13,0 mg/l/96hours.

### **Ethanol CAS [64-17-5]:**

Fish – LC50: 8140 mg/l/48h;

Daphnia – EC50: 9266 – 14221 mg/l/48h (*Daphnia magna*)

Algae – EC50: 5000mg/l/7d

### **12.2. PERSISTENCE AND DEGRADABILITY**

The mixture has not been tested - no available data.

### **Persistence and degradability of hazardous substances:**

### **Butane CAS [106-97-8], Propane CAS [74-98-6]:**

Readily biodegradable – product is a gas

### **Ethanol CAS [64-17-5]:**

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Readily biodegradable.

### 12.3. **BIOACCUMULATIVE POTENTIAL**

The mixture has not been tested - no available data.

Bioaccumulative potential of hazardous substances:

Butane CAS [106-97-8], Propane CAS [74-98-6]:

logPow: 2,89, low potential.

Ethanol CAS [64-17-5]:

LogP(w/o): -0,32.

### 12.4. **MOBILITY IN SOIL**

The mixture has not been tested - no available data.

Mobility in soil of ingredients of mixture:

Butane CAS [106-97-8], Propane CAS [74-98-6]:

It does not adsorb in soil.

### 12.5. **RESULTS OF PBT AND vPvB ASSESSMENT**

The mixture has not been tested - no available data.

Butane CAS [106-97-8], Propane CAS [74-98-6]:

It does not meet the criteria for PBT and vPvB.

### 12.6 **ENDOCRINE DISRUPTING PROPERTIES**

The substances of the mixture are not identified as having endocrine disrupting properties for the environment (at a concentration equal to or greater than 0,1 % by weight) in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605(4).

### 12.7. **OTHER ADVERSE EFFECTS**

The mixture has not been tested - no available data.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. **WASTE TREATMENT METHODS**

- dispose of according to local regulations;
- avoid disposing into drainage systems and into the environment;
- contaminated packaging dispose in the same way as the product itself.
- non-contaminated packages may be recycled.

## SECTION 14: TRANSPORT INFORMATION

Road transport (ADR/RID):

14.1. UN number or ID number: UN 1950 (unit package - 250ml - transport according LQ of ADR Regulation).

14.2. UN PROPER SHIPPING NAME: AEROSOLS, flammable

14.3. TRANSPORT HAZARD CLASS(ES): 2.

14.4. PACKING GROUP: -.

### 14.5. ENVIRONMENTAL HAZARDS:

The mixture has not been tested - no available data.

The ingredients of mixture are not classified as environmentally hazardous according to the criteria of the UN Model Regulation.

### 14.6. SPECIAL PRECAUTIONS FOR USER

See sections 6 to 8 of this Safety Data Sheet.

### 14.7. MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS

## SAFETY DATA SHEET

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Supplier: „Pol – Hun“ M. Bielska Sp. j.  
Address: ul. 11-listopada 65, 95-040 Koluszki  
Telephone/Fax: + 48(44) 725 30 00 / 725 30 01

Not applicable.

### SECTION 15: REGULATORY INFORMATION

The mixture is not subject to *Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer*, *Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC* or *Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals*

#### 15.1 **SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REACH (Article 59) – Candidate List of Substances of Very High Concern for Authorization – not applicable.

REACH (Annex XVII) – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles - not applicable.

REACH (Annex XIV) – List of substances subject to authorization.- not applicable.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

COMMISSION DIRECTIVE (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU

Directive 2004/37/EC of the European Parliament and of the Council of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work.

#### 15.2. **CHEMICAL SAFETY ASSESSMENT**

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

### SECTION 16: OTHER INFORMATION

The changes: section 1, 2, 3, 8, 9, 11, 12, 14, 15, 16.

The classification of the mixture is based on:

- the category "acute toxicity" – an additive method;
- the category "skin corrosion/irritation" – an additive method;
- the category "serious eye damage/eye irritation" - an additive method;
- the category "respiratory or skin sensitization" – contents of sensitizing ingredients;
- the category "mutagenicity"- contents of classified ingredients;
- the category "carcinogenicity" – contents of classified ingredients;
- the category "reproductive toxicity" contents of classified ingredients;
- the category "STOT repeated exposure" contents of classified ingredients;
- the category "STOT single exposure" contents of classified ingredients;
- the category "aspiration hazard" – an additive method;
- the category "ecotoxicological properties" – an additive method.

#### **Abbreviations and acronyms used in the safety data sheet:**

PBT – Persistent, Bioaccumulative, Toxic.

vPvB – Very Persistent and very Bioaccumulative.

LC50 – (ang. Lethal Concentration, 50%).

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EC50 – (ang. *half maximal effective concentration, the molar concentration of an agonist, which produces 50% of the maximum possible response for that agonist*).

logPow - *Octanol/water partition coefficient*.

OEL – *Occupational Exposure Limit*.

TWA – *Eight – hour Time Weighted Average*.

STEL – *Short Term Exposure Limit*.

### **List of relevant hazard statements or precautionary statements which are not written out in full under Sections 2 to 15:**

Flam. Gas 1	Flammable gas of category 1.
Press. Gas	Gases under pressure.
Flam. Liq. 2	Flammable liquid of category 2.
Acute Tox. 3	Acute Toxicity of category 3.
Acute Tox. 4	Acute Toxicity of category 4.
Eye Dam. 1	Serious eye damage of category 1.
Eye Irrit. 2	Eye Irritation of category 2.
Skin Irrit. 2	Skin Irritation of category 2.
Skin Sens. 1	Skin sensitization of category 1.
Aquatic Acute 1	Hazardous to the aquatic environment of category 1.
Aquatic Chronic 1	Hazardous to the aquatic environment of category 1.
Aquatic Chronic 2	Hazardous to the aquatic environment of category 2.
Aquatic Chronic 3	Hazardous to the aquatic environment of category 3.
H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. This document is neither a quality description of the product nor a guarantee of particular properties. The information are to be treated as aid to safety in transport, storage and usage of the product. This does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change.