SAFETY DATA SHEET

GTA100

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	15.10.2014
Revision date	17.02.2021

1.1. Product identifier

Product name	GTA100
Article no.	2291

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

Use of the substance / preparation	Industry in general.

1.3. Details of the supplier of the safety data sheet

Company name	Aeropak A/S
Postal address	Aldumvej 1
Postcode	8722
City	Hedensted
Country	Denmark
Telephone number	+45 7589 2355
Email	info@aeropak.dk
Website	http://www.aeropak.dk

1.4. Emergency telephone number

Emergency telephone	Telephone number: +45 7589 2355 (8-16 Mon-Thu, 8-13 Fri) Description: Aeropak Telephone number: 111 Description: NHS Description: Use your national or local emergency number – See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aerosol 1; H222 Aerosol 1; H229 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H336 Aquatic Chronic 2; H411 EUH 208

2.2. Label elements

Hazard pictograms (CLP)

Signal word	Danger
Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. EUH 208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1).. May produce an allergic reaction.
Precautionary statements	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. P280 Wear protective gloves/eye protection/face protection. P403 Store in a well-ventilated place. P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C / 122°F.

2.3. Other hazards

Other hazards	The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Hydrocarbons, C7, n-alkanes,	CAS No.: 64742-49-0	Flam. Liq. 2; H225	30 – 60 % wt/wt	

isoalkanes, cyclics	EC No.: 927-510-4 REACH Reg. No.: 01-2119475515-33-XXXX	Asp. tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	
Distillates (petroleum) , solvent-dewaxed heavy paraffinic	CAS No.: 64742-65-0 EC No.: 265-169-7 Index No.: 649-474-00-6 REACH Reg. No.: 01-2119471299-27-XXXX	Asp. tox. 1; H304	15 – 30 % wt/wt
Butane	CAS No.: 106-97-8 EC No.: 203-448-7 Index No.: 601-004-00-0	Flam gas 1; H220 Press. Gas	10 – 40 % wt/wt
Acetone	CAS No.: 67-64-1 EC No.: 200-662-2 Index No.: 606-001-00-8	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	5 – 20 % wt/wt
Propane	CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5	Flam. Gas 1;H220 Press. Gas;	5 – 15 % wt/wt
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS No.: 55965-84-9 Index No.: 614-001-00-4	Acute tox. 3; H301 Acute tox. 2; H310 Skin Corr. 1C; H314 Skin Sens. 1A; H317 Eye Dam. 1; H318 Acute tox. 2; H330 Aquatic Acute 1; H400; M-factor 100 Aquatic Chronic 1; H410; M-factor 100 EUH 071	< 0,0015 % wt/wt
Substance comments	Asp. Tox. 1;H304 is not applicable due to use as aerosols. See full text of H-phrases in section 16.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	If medical advice is needed, have product container or label at hand. Burns: Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
Inhalation	Seek fresh air. Keep victim under observation. Get medical advice/attention if you feel unwell.
Skin contact	Remove contaminated clothing. Wash the skin thoroughly with water and continue washing for a long time. Get medical advice/attention if you feel unwell.
Eye contact	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
Ingestion	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Get medical advice/attention if you feel unwell.

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

General symptoms and effects	Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

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

Other information	No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.
Improper extinguishing media	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Extremely flammable aerosol. CAUTION! Aerosol containers may explode. Avoid inhalation of vapour and fumes – seek fresh air. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
Hazardous combustion products	Hazardous fumes are formed in fire conditions.

5.3. Advice for firefighters

Other information	If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Eliminate all ignition sources if safe to do so. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. Avoid breathing and contact with skin and eyes.
Personal protection measures	Use personal protective equipment as required.

6.2. Environmental precautions

Environmental precautionary measures	Avoid unnecessary release to the environment. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Containment	Wipe up minor spills with a cloth. Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.

6.4. Reference to other sections

Other instructions	See section 8 for type of protective equipment. See section 13 for instructions on

	disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	See section 8 for information about precautions for use and personal protective equipment. Use the product under well-ventilated conditions. Smoking and naked flames prohibited. Running water and eye wash equipment should be available.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Store frost-free. Keep out of reach of children.

Conditions for safe storage

Storage temperature	Value: 10 – 40 °C

7.3. Specific end use(s)

Specific use(s)	See application section 1.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	CAS No.: 64742-49-0	Limit value (8 h) : 500 ppm Limit value (8 h) : 2085 mg/m³	
Distillates (petroleum) , solvent-dewaxed heavy paraffinic	CAS No.: 64742-65-0		
Butane	CAS No.: 106-97-8	Limit value (8 h) : 600 ppm Limit value (8 h) : 1450 mg/m³ **Limit value (short term)** Value: 750 ppm **Limit value (short term)** Value: 1810 mg/m³	
Acetone	CAS No.: 67-64-1	Limit value (8 h) : 500 ppm **Limit value (short term)** Value: 1500 ppm **Limit value (short term)** Appraisal period: 15 min Limit value (8 h) : 1210 mg/m³ **Limit value (short term)** Value: 3620 mg/m³ **Limit value (short term)** Appraisal period: 15 min	
Propane	CAS No.: 74-98-6		

DNEL / PNEC

Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
DNEL	**Group:** Professional **Route of exposure:** Long-term inhalation (systemic) **Value:** 2085 mg/m³ **Group:** Professional **Route of exposure:** Acute dermal (systemic) **Value:** 300 mg/kg bw/day **Group:** Consumer **Route of exposure:** Long-term oral (systemic) **Value:** 149 mg/kg bw/day **Group:** Consumer **Route of exposure:** Long-term dermal (systemic) **Value:** 149 mg/kg bw/day **Group:** Consumer **Route of exposure:** Long-term inhalation (systemic) **Value:** 447 mg/m³
Substance	Acetone
DNEL	**Group:** Consumer **Route of exposure:** Long term (repeated) – Oral – Systemic effect **Value:** 62 mg/kg bw/day **Group:** Professional **Route of exposure:** Long term (repeated) – Dermal – Systemic effect **Value:** 186 mg/kg bw/day **Group:** Professional **Route of exposure:** Short term (acute) – Inhalation – Local effect **Value:** 2420 mg/m3 **Group:** Professional **Route of exposure:** Long term (repeated) – Inhalation – Systemic effect **Value:** 1210 mg/m³ **Group:** Consumer **Route of exposure:** Long term (repeated) – Inhalation – Systemic effect **Value:** 200 mg/m³ **Group:** Consumer **Route of exposure:** Long term (repeated) – Dermal – Systemic effect **Value:** 62 mg/kg bw/day
PNEC	**Route of exposure:** Water **Value:** 21 mg/L **Reference:** Intermittent releases **Route of exposure:** Soil **Value:** 29.5 mg/kg soil dw **Route of exposure:** Freshwater **Value:** 10,6 mg/l

	Route of exposure: Saltwater **Value:** 1,06 mg/l

8.2. Exposure controls

Safety signs

Precautionary measures to prevent exposure

Instruction on measures to prevent exposure	Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke when using this product.

Eye / face protection

Suitable eye protection	Wear safety goggles if there is a risk of eye splash.

Hand protection

Skin- / hand protection, short term contact	Wear protective gloves made of nitrile rubber.

Skin protection

Suitable protective clothing	Wear suitable protective clothing.

Respiratory protection

Respiratory protection	In case of insufficient ventilation, wear respiratory protective equipment with filter A.

Thermal hazards

Thermal hazards	Aerosol cans can explode.

Appropriate environmental exposure control

Environmental exposure controls	Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Aerosol
Colour	Colourless
Odour	Solvent

9.2. Other information

9.2.2. Other safety characteristics

Comments	None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Heating may cause a fire or explosion.

10.2. Chemical stability

Stability	The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No risk of hazardous reactions.

10.4. Conditions to avoid

Conditions to avoid	Avoid heating and contact with ignition sources.

10.5. Incompatible materials

Materials to avoid	None known.

10.6. Hazardous decomposition products

Hazardous decomposition products	No special precautions regarding contact with other materials at the recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Acute toxicity	**Effect tested:** LD50 **Route of exposure:** Oral **Value:** > 5840 mg/kg bw **Animal test species:** Rat **Effect tested:** LC50 **Route of exposure:** Inhalation. **Duration:** 4 hour(s) **Value:** > 23,3 mg/l **Animal test species:** Rat **Effect tested:** LD50 **Route of exposure:** Dermal **Value:** > 2920 mg/kg bw **Animal test species:** Rat
Substance	Distillates (petroleum), solvent-dewaxed heavy paraffinic
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral

	Value: 5000 mg/kg bw **Animal test species:** Rat **Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Dermal **Value:** 2000-5000 mg/kg bw **Animal test species:** Rabbit **Type of toxicity:** Acute **Effect tested:** LC50 **Route of exposure:** Inhalation. **Duration:** 4 h **Value:** 2,18-5,53 mg/L air **Animal test species:** Rat
Substance	Butane
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LC50 **Route of exposure:** Inhalation. **Duration:** 2 h **Value:** 1237 mg/L air **Animal test species:** Mouse
Substance	Acetone
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Value:** 5800 mg/kg bw **Animal test species:** rat **Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Dermal **Value:** 7426 mg/kg bw **Animal test species:** rabbit **Type of toxicity:** Acute **Effect tested:** LC50 **Route of exposure:** Inhalation. **Duration:** 3 h **Value:** 55700 ppm **Animal test species:** rat
Substance	Propane
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LC50 **Route of exposure:** Inhalation. **Duration:** 2 h **Value:** 1237 mg/L air **Animal test species:** Mouse

Other information regarding health hazards

Assessment of acute toxicity, classification	Based on existing data, the classification criteria are deemed not to have been met.
Assessment of skin corrosion / irritation, classification	Irritating to skin – may cause reddening.
Assessment of eye damage or irritation, classification	Irritating to eyes. Causes a burning sensation and tearing.
Assessment of respiratory sensitisation, classification	Based on existing data, the classification criteria are deemed not to have been met.
Assessment of skin sensitisation, classification	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
Assessment of germ cell mutagenicity, classification	Based on existing data, the classification criteria are deemed not to have been met.
Assessment of carcinogenicity, classification	Based on existing data, the classification criteria are deemed not to have been met.
Assessment of reproductive toxicity, classification	Based on existing data, the classification criteria are deemed not to have been met.
Assessment of specific target organ toxicity - single exposure, classification	The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.
Assessment of specific target organ toxicity - repeated exposure, classification	Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.
Assessment of aspiration hazard, classification	Based on existing data, the classification criteria are deemed not to have been met.

Symptoms of exposure

In case of ingestion	Ingestion may cause discomfort.

11.2 Other information

Endocrine disruption	-

SECTION 12: Ecological information

12.1. Toxicity

Substance	Butane
Aquatic toxicity, fish	**Value:** 24,11 – 147,54 mg/L **Test duration:** 96 h **Method:** LC50
Substance	Acetone
Aquatic toxicity, fish	**Value:** 7280 mg/l **Test duration:** 96 hour(s) **Method:** LC50
Substance	Propane

Aquatic toxicity, fish	**Value:** 27,98 mg/L **Test duration:** 96 h **Method:** LC50
Substance	Butane
Aquatic toxicity, algae	**Value:** 7,71 – 19,37 mg/L **Test duration:** 96 h **Method:** EC50
Substance	Acetone
Aquatic toxicity, algae	**Value:** 2844 mg/l **Test duration:** 14 day(s) **Method:** EC50
Substance	Propane
Aquatic toxicity, algae	**Value:** 7,71 mg/L **Test duration:** 48 h **Method:** EC50
Substance	Butane
Aquatic toxicity, crustacean	**Value:** 14,22 – 69,43 mg/L **Test duration:** 48 h **Method:** LC50
Substance	Acetone
Aquatic toxicity, crustacean	**Value:** 8800 mg/l **Test duration:** 48 hour(s) **Method:** LC50
Substance	Propane
Aquatic toxicity, crustacean	**Value:** 14,22 mg/L **Test duration:** LC50 **Method:** Daphnia

12.2. Persistence and degradability

Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Biodegradability	**Value:** 98 % **Method:** OECD Guideline 301F **Test period:** 28 day(s)
Substance	Distillates (petroleum), solvent-dewaxed heavy paraffinic
Biodegradability	**Value:** 31 % **Method:** OECD Guideline 301 B **Test period:** 28 day(s)
Substance	Butane
Biodegradability	**Value:** 100 % **Method:** Biodegradation test, (predates, OECD test) **Test period:** 385,5 h
Substance	Acetone
Biodegradability	**Value:** 90,9 %

	Method: OECD Guideline 301 B **Test period:** 28 days
Substance	Propane
Biodegradability	**Value:** 100 % **Method:** Biodegradation test, predates, OECD test **Test period:** after 358,5 h
Persistence and degradability, comments	The product contains a non-biodegradable substance.

12.3. Bioaccumulative potential

Bioaccumulative potential	The product is not bioaccumulable.

12.4. Mobility in soil

Mobility	Test data are not available.

12.5. Results of PBT and vPvB assessment

PBT assessment results	The mixture does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

Endocrine disrupting properties	-

12.7. Other adverse effects

Other adverse effects, comments	Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Do not dispose of aerosol sprays in refuse collection, even when empty. The sprays must be sent to the municipal chemical waste collection facility with the specifications set out below.
EWC waste code	EWC waste code: 160504 gases in pressure containers (including halons) containing dangerous substances Classified as hazardous waste: Yes

SECTION 14: Transport information

Dangerous goods	Yes

14.1. UN number

ADR/RID/ADN	1950
IMDG	1950
ICAO/IATA	1950
Comments	If the quantity transported exceeds 5 kg or liter must be labeled with an environmental hazard.

14.2. UN proper shipping name

ADR/RID/ADN	AEROSOLS
IMDG	AEROSOLS
ICAO/IATA	AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR/RID/ADN	2.1
IMDG	2.1
ICAO/IATA	2.1

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

IMDG Other information

EmS	F-D, S-U

SECTION 15: Regulatory information

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

Other label information	-

15.2. Chemical safety assessment

Chemical safety assessment performed	No

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	EUH 071 Corrosive to the respiratory tract. EUH 208 Contains . May produce an allergic reaction. H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H229 Pressurised container: May burst if heated. H301 Toxic if swallowed. H304 May be fatal if swallowed and enters airways. H310 Fatal in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation.

	H330 Fatal if inhaled. H336 May cause drowsiness or dizziness. 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.
Key literature references and sources for data	EC regulation 1907/2006 (REACH). Directive 2000/532/EC. EC Regulation 1272/2008 (CLP).
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