	SAFETY	<b>DATA SHEET</b>	<b>AL</b> TermoPasty			
	according to Commission F	Regulation (EU) 2020/878 a				
	Smar gra	afitowy aerozol				
Creati	on date 25th February 2023					
Revisi	on date	Version	5.0			
SECT	ON 1: Identification of the substance/mixture	e and of the company/u	ndertaking			
1.1.	Product identifier	Smar grafitowy	aerozol			
	Substance / mixture	mixture				
1.2.	Relevant identified uses of the substance or	mixture and uses advis	ed against			
	Mixture's intended use					
	Lubricating agent.					
	Mixture uses advised against					
	The product should not be used in ways other than those referred in Section 1.					
1.3.						
	Manufacturer					
	Name or trade name	AG TermoPasty	Grzegorz Gąsowski			
	Address	, Kolejowa 33 E, S	Sokoły, 18-218			
		Poland				
	Identification number (CRN)	200133730				
	VAT Reg No	PL9661767714				
	Phone	862741342				
	E-mail	biuro@termopas	ty.pl			
	Web address	www.termopasty	/.l			
	Competent person responsible for the safety					
	Name		Grzegorz Gąsowski			
	E-mail	biuro@termopas	5 (			
1.4.	Emergency telephone number		<i>,</i> ,			
	European emergency number: 112					

### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

### Classification of the mixture in accordance with Regulation (EC) No 1272/2008 The mixture is classified as dangerous.

Aerosol 1, H229, H222 Repr. 2, H361f STOT RE 2, H373 Aquatic Chronic 3, H412

Full text of all classifications and hazard statements is given in the section 16.

#### Most serious adverse physico-chemical effects

Extremely flammable aerosol. Pressurised container: May burst if heated.

Most serious adverse effects on human health and the environment

May cause damage to organs through prolonged or repeated exposure. Suspected of damaging fertility. Harmful to aquatic life with long lasting effects.

### 2.2. Label elements



Signal word Danger

### Hazardous substances

n-hexane Hazard statements H222

Extremely flammable aerosol.



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Pressurised container: May burst if heated.				
Suspected of damaging fertility.				
May cause damage to organs through prolonged or repeated exposure.				
Harmful to aquatic life with long lasting effects.				
tatements				
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources No smoking.				
Do not spray on an open flame or other ignition source.				
Do not pierce or burn, even after use.				
Do not breathe gas.				
Wear protective gloves.				
Protect from sunlight. Do no expose to temperatures exceeding 50 °C.				

### 2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

### SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### **Chemical characterization**

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in Classification according to % weight Regulation (EC) No 1272/2008		Note
Index: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9	propane	32,5	Flam. Gas 1, H220 Press. Gas (compressed gas), H280	
Index: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7	CAS: 106-97-8 Flam. Gas 1, H220			
Index: 601-037-00-0 CAS: 110-54-3 EC: 203-777-6 Registration number: 01-2119480412-44- XXXX	CAS: 110-54-3 Asp. Tox. 1, H304   C: 203-777-6 Skin Irrit. 2, H315   Legistration number: STOT SE 3, H336   1-2119480412-44- Repr. 2, H361f   XXX STOT RE 2, H373   Aquatic Chronic 2, H411 Specific concentration limit:		Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2, H361f STOT RE 2, H373 Aquatic Chronic 2, H411	1
Index: 601-017-00-1 CAS: 110-82-7 EC: 203-806-2	cyclohexane	<0,5	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	1, 2

### Notes

- 1 A substance for which exposure limits are set.
- 2 The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.



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### If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

### If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

### If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. **If swallowed** 

### IT SWAIIOWE

Unlikely.

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

If inhaled

Cough, headache.

If on skin

Not expected.

If in eyes

When intruding eyes, it can evoke irritation.

### If swallowed

Irritation, nausea.

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

Symptomatic treatment.

### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

### Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

### Unsuitable extinguishing media

Water - full jet.

### 5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

### 5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Extremely flammable aerosol. Pressurised container: May burst if heated. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale gases and vapours.

### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

### 6.3. Methods and material for containment and cleaning up

Ventilate the room. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water.

### 6.4. Reference to other sections

See the Section 7, 8 and 13.



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### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

	Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the
	occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire
	and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not
	inhale gases and vapours. No smoking. Protect against direct sunlight. Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use
	personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.
	Avoid release to the environment.
7.2.	Conditions for safe storage, including any incompatibilities
	Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
7.3.	Specific end use(s)
	not available

### SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

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European Union	Commission Directive 2006/15/EC		
Substance name (component)	Туре	Value	
n hovens (CAS) 110 E4 2)	OEL 8 hours	72 mg/m <sup>3</sup>	
n-hexane (CAS: 110-54-3)	OEL 8 hours	20 ppm	
ruclehevene (CAC: 110.02.7)	OEL 8 hours	700 mg/m <sup>3</sup>	
cyclohexane (CAS: 110-82-7)	OEL 8 hours	200 ppm	

### 8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

### Eye/face protection

It is not needed.

### Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

### **Respiratory protection**

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

#### Thermal hazard

Not available.

### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Physical state	gas
Colour	data not available
Odour	data not available
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	Extremely flammable aerosol.
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	gas



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Kinematic viscosity	data not available	
Solubility in water	data not available	
Solubility in fats	data not available	
Partition coefficient n-octanol/water (log value)	data not available	
Vapour pressure	data not available	
Density and/or relative density	data not available	
Relative vapour density	data not available	
Particle characteristics	data not available	
Form	paste	
9.2. Other information		
Evaporation rate	non-applicable	

### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

### not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

#### Unknown. 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Pressurised container: May burst if heated.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

## **10.6.** Hazardous decomposition products Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

### **SECTION 11: Toxicological information**

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

No toxicological data is available for the mixture.

### Acute toxicity

Based on available data the classification criteria are not met.

#### cyclohexane

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD50	12 g/kg		Rat (Rattus norvegicus)	
Dermal	LD50	>18 g/kg		Rabbit	

### Skin corrosion/irritation

Based on available data the classification criteria are not met.

### Serious eye damage/irritation

Based on available data the classification criteria are not met.

### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

### Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

### **Reproductive toxicity**

Suspected of damaging fertility.

### Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

### Toxicity for specific target organ - repeated exposure

May cause damage to organs through prolonged or repeated exposure.



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### Aspiration hazard

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. Based on available data the classification criteria are not met.

### 11.2. Information on other hazards

not available

### **SECTION 12: Ecological information**

### 12.1. Toxicity

### Acute toxicity

Harmful to aquatic life with long lasting effects.

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- 12.2. Persistence and degradability
- Not available. 12.3. Bioaccumulative potential
- Not available.
- 12.4. Mobility in soil
  - Not available.

### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

### **12.6.** Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### 12.7. Other adverse effects

Not available.

### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

### Packaging waste type code

- 15 01 11 metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers \*
- (\*) Hazardous waste according to Directive 2008/98/EC on hazardous waste

### **SECTION 14: Transport information**

### 14.1. UN number or ID number

- UN 1950
- **14.2.** UN proper shipping name AEROSOLS
- 14.3. Transport hazard class(es)
- 2 Gases 14.4. Packing group
- not relevant
- 14.5. Environmental hazards not relevant

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14.6. 14.7.	Special precautions fo Reference in the Section: Maritime transport in not relevant Additional information	s 4 to 8. bulk according to IM	10 instruments		
	Hazard identification UN number Classification code Safety signs	ı No.	1950 5F 2.1		
	Air transport - ICAO/I Packaging instruction Cargo packaging ins Marine transport - IMI EmS (emergency pl MFAG	ns passenger tructions <b>)G</b>	203 203 F-D, S-U 620		

### **SECTION 15: Regulatory information**

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 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the 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, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended.

### Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

cyclohexane	
Restriction	Conditions of restriction
57	1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of neoprene-based contact adhesives in concentrations equal to or greater than 0,1 % by weight in package sizes greater than 350 g.
	2. Neoprene-based contact adhesives containing cyclohexane and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.
	3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that neoprene-based contact
	adhesives containing cyclohexane in concentrations equal to or greater than 0,1 % by weight that are placed on the market for supply to the general public after 27 December 2010 are visibly, legibly and indelibly marked as follows:
	"— This product is not to be used under conditions of poor ventilation. — This product is not to be used for carpet laying.".

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

### **SECTION 16: Other information**

#### A list of standard risk phrases used in the safety data sheet H220

Extremely flammable gas.



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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.			
H315	Causes skin irritation.			
H336	May cause drowsiness or dizziness.			
H361f	Suspected of damaging fertility.			
H373	May cause damage to organs through prolonged or repeated exposure.			
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.			
	afe handling used in the safety data sheet			
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.			
1210	No smoking.			
P211	Do not spray on an open flame or other ignition source.			
P251	Do not pierce or burn, even after use.			
P260	Do not breathe gas.			
P280	Wear protective gloves.			
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50 °C.			
Other importan	information about human health protection			
-	not be - unless specifically approved by the manufacturer/importer - used for purposes other than			
Key to abbrevia	ions and acronyms used in the safety data sheet			
ADR	European agreement concerning the international carriage of dangerous goods by			
DOE	road Bissensenstantion Franken			
BCF	Bioconcentration Factor			
CAS	Chemical Abstracts Service			
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures			
EC	Identification code for each substance listed in EINECS			
EINECS	European Inventory of Existing Commercial Chemical Substances			
EmS	Emergency plan			
EU	European Union			
EuPCS	European Product Categorisation System			
IATA	International Air Transport Association			
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals			
ICAO	International Civil Aviation Organization			
IMDG	International Maritime Dangerous Goods			
IMO	International Maritime Organization			
INCI	International Nomenclature of Cosmetic Ingredients			
ISO	International Organization for Standardization			
IUPAC	International Union of Pure and Applied Chemistry			
LD 50	Lethal dose of a substance in which it can be expected death of 50% of the			
	population			
log Kow	Octanol-water partition coefficient			
OEL	Occupational Exposure Limits			
PBT	Persistent, Bioaccumulative and Toxic			
ppm	Parts per million			
Press. Gas (Com	.) Gas under pressure: compressed gas			
Press. Gas (Diss.	Gas under pressure: dissolved gas			
Press. Gas (Liq.)	Gas under pressure: liquefied gas			
Press. Gas (Ref.	iq.) Gas under pressure: refrigerated liquefied gas			



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REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Aerosol	Aerosol
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
Press. Gas	Gases under pressure
Repr.	Reproductive toxicity
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
Training guidelines	

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### **Recommended restrictions of use**

not available

#### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

#### The changes (which information has been added, deleted or modified)

The version 5.0 replaces the SDS version from 14 September 2021. Changes were made in sections 1, 2, 12, 15 and 16.

#### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.