

## Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP)

Effective date: 23.06.2016

Supersolution

### 1 Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Material Name:** Supersolution

**Product code:** 608F/ 8 OZ, 608F/QT, 608F/ 55 GAL



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

**Relevant identified uses:** Rubber Adhesive

**Uses advised against:** Any uses inconsistent with product labeling are advised against

#### 1.3 Details of the manufacturer/supplier of the safety data sheet

**Supplier:**

Pangus Gumitermék ZRT.2233 Ecser,Ady Endre  
u. 3Tel.: +36-29-535-560, FAX: +36-29-535-565  
E: pangus@pangus.hu

#### 1.4 Emergency telephone number:

Hungary National Institute of Environmental Health (+36-80) 201-199 (24 hours)

Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)

Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

### 2 Hazards identification

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

In compliance with EC regulation No. 1272/2008 (CLP).

Flammable liquids, category 2.

Skin sensitization, category 1.

Chronic aquatic hazard, category 2.

**Hazard-determining components of labeling:**

Solvent naphtha (petroleum), light aliphatic

Cyclohexyl(ethyl)amine

Zinc bis(dibutyldithiocarbamate)

#### 2.2 Label elements

**Hazard pictograms:**



**Signal word:** Danger

**Hazard statements:**

H225 Highly flammable liquid and vapor.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects

**Precautionary statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/light/equipment.

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P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water and soap  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P321 Specific treatment (see supplemental first aid instructions on this label).  
 P391 Collect spillage.  
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P370+P378 In case of fire: Evacuate area.  
 P403+P235 Store in a well ventilated place. Keep cool.  
 P501 Dispose of contents and container as instructed in Section 13.

**2.3 Other hazards:** None known.**Information concerning particular hazards for humans and environment:**

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to EC regulation No. 1272/2008(CLP), and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

**3 Composition/information on ingredients****3.1 Substances:****3.2 Mixtures:**

Name	CAS No	EC No	REACH Registration No	Classification according to Regulation (EC) No1272/2008 (CLP)	Weight %
Solvent naphtha (petroleum), light aliphatic	64742-89-8	265-192-2	Not available	Asp. Tox. 1; H304	85-95
1,3-Butadiene, 2-methyl-, homopolymer	9003-31-0	Not available	Not available		2-8
Zinc bis(dibutyl)dithiocarbamate)	136-23-2	205-232-8	Not available	Skin Sens. 1; H317 Skin Irrit. 2; H315 Eye Irrit. 2; H320 Stot SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	1-2.4

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Cyclohexyl(ethyl)amine	5459-93-8	226-733-8	Not available	Acute Tox. 4; H302 Acute Tox. 3; H311 Acute Tox. 4; H332 Skin Corr. 1A; H314 Eye Dam. 1; H318 Flam. Liq. 3; H226	<1
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#### Additional information:

According to Note P of the European Directive 67/548/CEE, the substance "naphtha (oil)" should not be classified as a "carcinogenic" ingredient, because the benzene content (number EINECS 200-753-7) is lower than 0.1% in weight.

**Full text of H and EUH phrases:** see sections 2.2 or 16 for applicable H and/or EUH phrases

### 4 First aid measures

#### 4.1 Description of first aid measures

**General notes:** None.

##### Following inhalation:

Loosen clothing as necessary and position individual in a comfortable position.  
Maintain an unobstructed airway.

##### Following skin contact:

Wash affected area with soap and water.  
Seek medical attention if symptoms develop or persist.

##### Following eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.  
Seek medical attention if symptoms develop or persist.

##### Following ingestion:

Rinse mouth thoroughly.  
Seek medical attention if irritation, discomfort, or vomiting persists.

##### Self-protection of the first-aider:

See Section 8.2

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

None

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

No additional information.

### 5 Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media:

Use dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

##### Unsuitable extinguishing media:

Do not use water as an extinguisher.

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

Thermal decomposition can lead to release of irritating gases and vapors.  
Vapors can flow to distant ignition sources and flashback.  
Liquid is volatile and may generate an explosive atmosphere.



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**Supersolution****5.3 Advice for fire-fighters****Protective equipment:**

Wear protective eye wear, gloves and clothing.  
Refer to Section 8.

**Additional information:**

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.  
Avoid contact with skin, eyes and clothing.

**6 Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.  
Ensure air handling systems are operational.  
Beware of vapors accumulating to form explosive concentrations.  
Vapors can accumulate in low areas.

**6.2 Environmental precautions:**

Should not be released into the environment.  
Prevent from reaching drains, sewer or waterway.

**6.3 Methods and material for containment and cleaning up:**

Wear protective eye wear, gloves and clothing.  
Use spark-proof tools and explosion-proof equipment.

**6.4 Reference to other sections:** None**7 Handling and storage****7.1 Precautions for safe handling:**

Do not eat, drink, smoke or use personal products when handling chemical substances.  
Avoid breathing mist or vapor.  
Use only non-sparking tools.  
Take precautionary measures against electrostatic discharges.  
Avoid release to the environment.  
Collect spillage.

**7.2 Conditions for safe storage, including any incompatibilities:**

Store in a cool, well-ventilated area.  
Keep container tightly sealed.  
Keep away from all ignition sources: open flames, hot surfaces, direct sunlight, spark sources.  
Store locked up.  
Use appropriate containment to avoid environmental contamination.  
Protect from freezing and physical damage.  
Collect spillage.

**7.3 Specific end use(s):** No additional information.**8 Exposure controls/personal protection**

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### 8.1 Control parameters:

#### Occupational Exposure limit values:

If sub-section is empty then no values are available.

### 8.2 Exposure controls

#### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Use explosion-proof ventilation equipment.

#### Personal protection equipment:

##### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

##### Skin protection:

Select glove material impermeable and resistant to the substance.

For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified.

Glove thickness should be typically greater than 0.35 mm depending on the glove make and model. Always seek advice from glove suppliers.

##### Respiratory protection:

Use a NIOSH/MSHA or European Standard EN149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Comply with the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN149. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

##### General hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

##### Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance (physical state, color):</b>	Tan Viscous Liquid	<b>Explosion limit lower:</b>	1.3
		<b>Explosion limit upper:</b>	8.0

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<b>Odor:</b>	Strong solvent	<b>Vapor pressure:</b>	40 mmHg @ 20°C
<b>Odor threshold:</b>	Not determined or not available.	<b>Vapor density:</b>	> 1.0 (Air = 1.0)
<b>pH-value:</b>	Not determined or not available.	<b>Relative density:</b>	0.74 g/cm <sup>3</sup> (6.22 lb/gal) @ 68°F
<b>Melting/Freezing point:</b>	Not determined or not available.	<b>Solubilities:</b>	Soluble in most organic solvents.
<b>Boiling point/range:</b>	93.3-115.6°C (200-240°F)	<b>Partition coefficient (n- octanol/water):</b>	Not determined or not available.
<b>Flash point (closed cup):</b>	-7°C (19.4°F)	<b>Auto/Self-ignition temperature:</b>	Not determined or not available.
<b>Evaporation rate:</b>	3.5 (n-BuAC=1)	<b>Decomposition temperature:</b>	Not determined or not available.
<b>Flammability (solid, gaseous):</b>	Liquid	<b>Dynamic viscosity:</b>	~ 400 cps @ 25°C
<b>Density:</b>	Not determined or not available.	<b>Kinematic viscosity:</b>	>200 mm <sup>2</sup> /sec @ 40°C
<b>Explosive properties:</b>	Not determined or not available	<b>Oxidizing properties:</b>	Not determined or not available

**9.2 Other information:** Not available

### 10 Stability and reactivity

**10.1 Reactivity:** Does not react under normal conditions of use and storage.

**10.2 Chemical stability:** Stable under normal conditions of use and storage.

**10.3 Possibility of hazardous reactions:** None under normal conditions of use and storage.

**10.4 Conditions to avoid:** None known.

**10.5 Incompatible materials:** None known.

**10.6 Hazardous decomposition products:** None known.

### 11 Toxicological information

**11.1 Information on toxicological effects:**

**Acute toxicity:**

**Oral:**

Cyclohexyl(ethyl)amine: LD50: Rat - 590 mg/kg.

**Dermal:**

Cyclohexyl(ethyl)amine: LD50: Rabbit - 638 mg/kg.

**Inhalation:**



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**Supersolution****Skin corrosion/irritation:** Cyclohexyl(ethyl)amine: Severe skin irritation - 24 h.**Serious eye damage/irritation:** No additional information.**Respiratory or skin sensitization:** Cyclohexyl(ethyl)amine: Severe eye irritation - 24 h.**Germ cell mutagenicity:**

Solvent naphtha (petroleum), light aliphatic: According to Note P of ECHA Annex VI of Regulation (EC) No 1272/2008 (CLP Regulation), Solvent naphtha (petroleum), light aliphatic need not be labeled a mutagen if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS No 200-753-7).

**Carcinogenicity:**

According to Note P of ECHA Annex VI of Regulation (EC) No 1272/2008 (CLP Regulation), Solvent naphtha (petroleum), light aliphatic need not be labeled a carcinogen if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS No 200-753-7).

**IARC (International Agency for Research on Cancer):**

Group 3 - Not classifiable as to its carcinogenicity to humans: 1,3-Butadiene, 2-methyl-, homopolymer.

**NTP (National Toxicology Program):** None of the ingredients are listed.**Reproductive Toxicity:** No additional information.**STOT-single and repeated exposure:** No additional information.**Aspiration hazard:** No information available.**12 Ecological information****12.1 Toxicity:** No additional information.**12.2 Persistence and degradability:** No additional information.**12.3 Bioaccumulative potential:** No additional information.**12.4 Mobility in soil:** No additional information.**General notes:** No additional information.**12.5 Results of PBT and vPvB assessment:****PBT:** No additional information.**vPvB:** No additional information.**12.6 Other adverse effects:** No additional information.**13 Disposal considerations****13.1 Waste treatment methods****Relevant information:**

Consult with EU Directive 2008/98/EC for the classifications of hazardous waste prior to disposal. Furthermore, consult with your regional, national or European waste requirements or guidelines, if applicable, to ensure compliance. Final decisions on the appropriate waste management method, in line with regional, national and European legislation, remains the responsibility of the waste treatment operator.

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### 14 Transport information

#### Land transport:

##### DOT (49 CFR) transport

14.1 UN Number:	1133
14.2 UN Proper shipping name:	Adhesives
14.3 UN Transport hazard classes:	3
14.4 Packing group: Danger label:	II 3 Flammable liquids 
14.5 Environmental hazards:	Yes
14.6 Special precautions for user: Limited quantity:	None 5L

##### ADR/RID

14.1 UN Number:	1133
14.2 UN Proper shipping name:	Adhesives
14.3 UN Transport hazard classes:	3
14.4 Packing group: Danger label:	II 3 Flammable liquids 
Tunnel restriction code:	(D/E)
Transport category:	2
Hazard ID number:	33
14.5 Environmental hazards:	Yes
14.6 Special precautions for user: Limited quantity: Quantity exception:	None 1L E2

#### Air transport:

##### IATA-DGR

14.1 UN Number:	1133
14.2 UN Proper shipping name:	Adhesives
14.3 UN Transport hazard classes:	3




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<b>14.4 Packing group:</b>	II
<b>Danger label:</b>	3 Flammable liquids 
<b>14.5 Environmental hazards:</b>	Yes
<b>14.6 Special precautions for user:</b>	None
<b>Limited quantity:</b>	1L
<b>Quantity exception:</b>	E2

#### Sea transport: IMDG

<b>14.1 UN Number:</b>	1133
<b>14.2 UN Proper shipping name:</b>	Adhesives
<b>14.3 UN Transport hazard classes:</b>	3
<b>14.4 Packing group:</b>	II
<b>Danger label:</b>	3 Flammable liquids 
<b>EMS code:</b>	F-E, S-E
<b>14.5 Environmental hazards:</b>	Yes
<b>14.6 Special precautions for user:</b>	None
<b>Limited quantity:</b>	1L
<b>Quantity exception:</b>	E2
<b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:</b>	Not applicable

### 15 Regulatory information

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

##### European Union

**REACH Article 57 (SVHC):** None of the ingredients are listed

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:** Not applicable

**European Inventory of Existing Commercial Chemical Substances (EINECS):** All ingredients are listed or exempted

**Priority List Chemicals:** Not listed

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**Supersolution****Chemical Weapons Convention List Schedule I Chemicals:** Not listed**Chemical Weapons Convention List Schedule II Chemicals:** Not listed**Chemical Weapons Convention List Schedule III Chemicals:** Not listed**Other regulations****Germany MAK:** None of the ingredients are listed**15.2 Chemical Safety Assessment:**

This product contains substances for which Chemical Safety Assessments are still required.

**16 Other information****Indication of Changes:** Not applicable**Abbreviations and Acronyms:** None**Classification procedure:**

<b>Classification according to Regulation (EC) No. 1272/2008 (CLP)</b>	<b>Method Used</b>
Flammable liquids, category 2.	On basis of test data
Skin sensitization, category 1.	Calculation method
Chronic aquatic hazard, category 2.	Calculation method

**Supplemental Hazards per EC 1272/2008 Annex II, Parts 1-5: Not applicable****Manufacturer's Statement:**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.