

SAFETY DATA SHEET
Soldering paste

Version 1.05
Written on: 26.04.2005
Updated on : 09.11.2015

Section 1: Identification of the substance / mixture and the company**1.1 Product identification** **Soldering paste****1.2 Istotne zidentyfikowane zastosowania substancji lub mieszaniny oraz zastosowania odradzane:**

Advised use: medium-active soldering flux

Discouraged use: Not stated

1.3 Details of the supplier of the safety data sheet:

Manufacturer AG Termopasty Grzegorz Gąsowski
18-218 Sokoły, ul. Kolejowa 33 E,
tel/fax (0 86) 274 13 42

E-mail address of the person
responsible for the sheet: biuro@termopasty.pl

1.4. Emergency number 86274 13 42 available between 8.00 – 16.00
Toxicological Information 22 618 77 10, National Centre for Toxicological Information 42 631 47

SECTION 2: Threat identification**2.1 Classification of the substance or mixture**

Classification according to 1272/2008:

Skin Sens. 1; H317

Human health risks

May cause allergic reaction to skin.

Environmental hazards

Not classified as harmful for the environment.

Physical / Chemical risks

None.

2.2 Label elements:

Produkt podlega obowiązkowi oznakowania.

Contains: Rosin (CAS: 8050-09-7)

Pictograms:

Warning word: Danger

Hazard statements.

H317 - May cause an allergic skin reaction.

Precautionary statements:

SAFETY DATA SHEET

Soldering paste

P272 - Contaminated clothing should not be allowed out of the workplace.

P280 - Wear protective gloves / protective clothing / eye protection / face protection.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P313 - If skin irritation or rash occurs: Get medical advice / attention to the care of a physician.

P363 - Wash contaminated clothing before reuse.

2.3 Other risks/hazards:

None.

No information about meeting the criteria of PBT or vPvB, in accordance with attachment XIII REACH regulations. Appropriate studies have not been conducted.

SECTION 3: Composition / information on ingredients

3.1 Compounds:

Does not apply

3.2 Mixtures:

Hazardous ingredients:

Product identification	Content %	CLP classification	
		hazard class and category codes	codes indicating threat kind
Rosin CAS No 8050-09-7, EC No: 232-475-7, Index No: 650-015-00-7 _ REACH No.: substance is subject to the transitional period	50 - 60	Skin Sens. 1	H317
adipic acid CAS No: 124-04-9 EC No: 204-673-3 Index No: 607-144-00-9 _ REACH No.: substance is subject to the transitional period	<5	Eye Irrit. 2	H319
Benzoic acid CAS No: 65-85-0 EC No: 200-618-2 Index No - _ REACH No.: substance is subject to the transitional period	1-2	Acute Tox. 4 Eye Irrit. 2	H302 H319

Full meaning of H terms is in section 16

SECTION 4: First aid

4.1 First aid measures

SAFETY DATA SHEET**Soldering paste****Skin contact:**

Contaminated skin should be rinsed with large quantity of water. If skin irritation persists provide medical care.

Eye contact:

Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. Avoid strong jet of water that could damage the cornea.

Inhalation:

Move the person to fresh air. Provide medical attention if symptoms continue.

Ingestion:

Immediately after swallowing (within 5 minutes) induce vomiting. Give to drink 1-2 glasses of milk or water. Immediately seek medical attention.

4.2 Late and strong symptoms and the effects of exposure:

Skin contact: sensitization by skin contact.

Eye contact: tearing, irritation.

Respiratory system: irritation of the mucous membranes of the upper respiratory tract. Prolonged or repeated exposure to dust can cause respiratory sensitization.

Gastrointestinal tract: Swallowing may cause inhibition of bowel movements. Ingestion of large doses reduces the contractility of skeletal muscles. Slows down muscle of inner organs.

4.3 Recommendations for immediate medical aid

The decision regarding the treatment is made by the doctor treating the affected person.

SECTION 5: Fire-fighting measures**5.1 Extinguishing media****Proper extinguishing media:**

Water -, alcohol-resistant foam, carbon dioxide, dry chemical extinguishers.

Improper extinguishing media: Do not use water streams

5.2. Hazards connected with the mixture or the compounds:

During a fire, as a result of high temperatures, may form hazardous decomposition products in the form of vapors and fumes containing carbon monoxide, carbon dioxide.

5.3. Information for fire brigade

Do not allow the extinguishing agents to the drains and watercourses. Inform to local area about fire. Evacuate all personnel not involved in the fire fighting process. Notify the State Fire Service, and, if necessary, the State Police, the nearest local authorities and the nearest Chemical Rescue Unit.

SECTION 6: Accidental release measures**6.1. Individual safety measures, safety gear and procedures for emergency situations:**

For non-emergency personnel: inform the appropriate service. Evacuate anyone who is not involved in removing the damages. For emergency services: Ensure adequate ventilation, use personal protective equipment.

6.2. Precautions for environmental protection

In the event of any damage, do not allow the substances to the environment. Secure the product from entering the sewers, surface water, ground water and soil. Try to collect as much as possible, to suitable containers for later disposal.

SAFETY DATA SHEET

Soldering paste

6.3 Methods and materials to prevent the spread of contamination and aiding cleaning up:

In the case of spillage of molten product allow it to determine, then shovel into suitable containers for later disposal. Wash contaminated area with water.

6.4. Reference to other sections

Product waste management- see section 13.

Measures for personal safety - see section 8.

SEKCJA 7: Postępowanie z substancjami i mieszaninami oraz ich magazynowanie

7.1 Środki ostrożności dotyczące bezpiecznego postępowania:

Avoid contact with eyes and skin liquid, hot product. Do not swallow. Use personal protective equipment. Wipe away the remains of the product, then wash communication area with water and detergent. Facilities must have adequate ventilation. Work in accordance with safety . hygiene measures: Do not eat, drink and smoke at work, wash hands after use, remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including information about any incompatibilities:

Store in a well-ventilated, cool, dry place. When not in use, keep the containers closed.

7.3 Szczególne zastosowanie (-a) końcowe:

Medium-active soldering flux for professional use only.

SECTION 8: Exposure control/ personal safety measures

8.1. Details regarding control:

Regulation of Ministry of Family, Labour and Social Policy from 6th June 2014 regarding the highest allowed concentration and intensity of compounds harmful for health in the work environment (Journal of Laws, item 817)

Compounds that are subject of the exposure norms:

	Compound name	CAS No.	NDS	NDSch	NDSP
1.	Adipic acid - Inhalable fraction	124-04-9	5mg/m3	10mg/m3	Not stated

adipic acid

Worker DNEL, inhalation exposure, short-term (local effect): 5mg / m3

PNEC freshwater: 0,126mg / l

PNEC marine waters 0,0126mg / l

PNEC sporadic release: 0,46mg / l

PNEC sediment of freshwater: 0,484mg / kg

PNEC sediment marine waters: 0,0484mg / kg

PNEC soil: 0,0228mg / kg

PNEC sewage: 59,1mg / l

8.2. Exposure control

Appropriate control measures:

Local ventilation of the room and general ventilation is required.

Individual protection measures, such as personal protective equipment:

Face and eye protection:

SAFETY DADA SHEET**Soldering paste**

Avoid contact with eyes. If there is a possibility of exposure, wear safety glasses with side shields or protective goggles (according to norm EN 166).

Skin protection*Hand protection*

Avoid contact with skin. Wear protective gloves made of natural rubber, nitrile, butyl (in accordance with EN375).

Types of gloves based on the material:

The selection of suitable gloves not only depends on the material, but also on the brand and quality of the product. Resistance of the material, the glove can be determined after testing. The exact time of the wear and tear of the gloves must be determined by the manufacturer.

Other: avoid contact with skin.

Respiratory system protection

Avoid breathing in the vapours and dusts. When the concentration of the substance is determined and known, personal protection should be taken into account the concentrations of substances present at the workplace, exposure time, the activities performed by the employee and the instructions given by the manufacturer of personal protective equipment. In case of emergency canister organic vapours complete with mask or half mask..

Thermal hazards:

Does not apply.

biological monitoring

not stated.

Environmental monitoring

The permissible values of pollutants in industrial wastewater sent into sewer systems - Regulation of the Minister of 14th July 2006 on the manner of executing the obligations by providers of industrial effluents as well as terms of forwarding effluents to the sewerage systems (Journal of Laws. 2006 No 136, pos. 964): not stated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Basic chemical and physical properties**

Appearance:	light brown paste
Odour:	recognizable
Odour threshold:	not stated
pH:	not stated
Melting temperature:	not stated
Boiling temperature:	not stated
Ignition temperature:	> 150 °C
Evaporation rate:	not stated
Flammability (solid, gas):	does not apply
Lower explosive limit:	not stated
Higher explosive limit:	not stated
Vapour pressure:	not stated
Density:	around. 1,1 g/cm ³ (80°C)
Solubility:	does not dissolve in water
Partition coefficient n-octanol / water:	not stated
Spontaneous combustion temp:	not stated
Decomposition temperature:	not stated
Dynamic viscosity in 20 °C:	Not stated

SAFETY DATA SHEET**Soldering paste**

Kinematic viscosity:	not stated
Explosive properties:	not present
Oxidising properties:	not present

9.2. Other information

No additional test results.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Unknown.

10.2 Chemical stability

Stable under appropriate conditions of storage and use.

10.3. Possibility of hazardous reactions

Dangerous polymerisation should not occur.

10.4 Conditions to avoid

Avoid high temperature, direct sunlight exposure, hot surfaces and open flames.

10.5 incompatible materials:

Avoid contact with strong oxidizing agents.

10.6 Hazardous decomposition products:

Carbon monoxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

a) Acute toxicity: does not apply

Rosin

LC50 (rat, inhalation) = 110 mg / m³

b) skin corrosion / irritation: not present

c) serious eye damage / irritation: not present

d) sensitization on inhalation or skin: May cause allergic skin reaction.

e) a mutagenic effect on reproductive cells: not present

f) carcinogenicity: not present

g) reproductive toxicity: not present

h) toxic effects on target organs - single exposure: no show

i) toxic effects on target organs - repeated exposure: no show

j) aspiration hazard: not present

Information on likely exposure:**Inhalation**

May cause irritation of the mucous membranes of the upper respiratory tract. Prolonged or repeated exposure to dust can cause respiratory sensitization.

Skin contact

Avoid contact with skin. Product causes allergies.

Eye Contact

Avoid contact with eyes. Irritating to eyes.

Ingestion

Ingestion may cause severe irritation of the digestive tract, abdominal pain, nausea. Ingestion of the product may result in inhibition of bowel movements. Ingestion of large doses reduces the contractility of skeletal muscles.

SAFETY DATA SHEET

Soldering paste

Delayed, immediate and prolonged effects from short- and long-term exposure:

No data.

Interactive effects:

No data.

SECTION 12: ecological information

Detailed studies have not been conducted, there is no further data. This mixture is not classified as dangerous for the environment. Do not allow to enter and spread in soil, sewage systems, groundwater and watercourses. Product is not highly volatile, does not pose a threat to air, does not dissolve in water. Freezes on contact with water.

12.1. Toxicity**Hexane - a mixture of isomers**

Toxicity to fish: LC50 4480mg / l

12.2. Persistence and degradability

No data.

12.3. Bioaccumulative properties

No data.

12.4. Mobility in soil

No mobility in soil.

12.5. Results of PBT and vPvB

No data.

12.6. Other adverse effects

No data.

SECTION 13: Disposal

13.1 Waste treatment methods:**Waste disposal**

Do not empty into drains. Do not allow contamination of surface water and groundwater. Do not dispose of together with municipal waste. Incinerate in incineration plants in the presence of flammable materials. Eliminate the gathered waste materials according to the department of environmental protection office of the provincial or county.

Dispose of as hazardous waste; Code: 11 05 04 (Waste flux)

Contaminated packaging

Dispose empty packages in accordance with applicable regulations.

The packaging code 15 01 10 Packages containing residues of hazardous substances or contaminated Minister for the Environment of 9th September 2014 on waste catalogue (Journal item. 1923).

Community legislation on waste:

Council Directive No. 75/442 / EEC on waste, Council Directive No. 91/689 / EEC on hazardous waste, Commission Decision No 2000/532 / EC of 3rd May 2000 stating the list of wastes, OJ No. L 226/3 of 6th September 2000, together with the amending decisions.

SECTION 14: Transport

14.1 UN number (ONZ number) Not applicable, the product is not classified as dangerous during transport.

SAFETY DATA SHEET

Soldering paste

14.2 Correct shipping name UN: Not applicable, the product is not classified as dangerous during transport.

14.3 Hazard class for transportation : Not applicable, the product is not classified as dangerous during transport.

14.4 Packing group: Not applicable, the product is not classified as dangerous during transport.

14.5 Environmental hazards: Not applicable, the product is not classified as dangerous during transport.

14.6 Special precautions for user: Not applicable, the product is not classified as dangerous during transport.

14.7 in bulk according to Annex II of MARPOL and the IBC Code: Not applicable, the product is not classified as hazardous during transport.

SECTION 15: Regulatory information

15.1. Laws concerning the safety, health and environmental regulations 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, Restriction of Chemicals (REACH).with further amendments.

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015. Amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation of the European Parliament and of the Council of 16 December 2008 No. 1272/2008 (CLP), with further amendments.

The Act of 25 February 2011. on chemical substances and their mixtures (Journal of Laws No. 63, item. 322. with further amendments

Regulation of the Minister of Health of 10 October 2013. Amending the regulation on the category of hazardous substances and mixtures, where the packaging is provided with a closing child-resistant fastenings and tactile warning of danger (Journal of laws.. 2013 No. 0 pos. 1225)

The Act of 14 December 2012. Waste (Journal of laws. 2013 No. 0 pos. 21).

The Act of 13 June 2013 on packaging and packaging waste (Journal of laws 2013 pos. 888).

Minister for the Environment of 9 September 2014 on waste catalogue (Journal of Laws. item 1923).

Council Directive No. 75/442 / EEC on waste, Council Directive No. 91/689 / EEC on hazardous waste, Commission Decision No 2000/532 / EC of 3 May 2000 stating the list of wastes, OJ No. L 226/3 of September 6 2000, together with the amending decisions.

The Act of 19 August 2011. On the transport of dangerous goods (Journal of Laws No. 227, item. 1367)

Government Statement of 23 March 2011. On the entry into force of amendments to Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), done at Geneva on 30 September 1957. (Journal of Laws No. 110, item . 641).

Minister of Labour and Social Policy of 6 June 2014 on maximum permissible concentration and intensity of harmful factors in the work environment (Journal item. 817).

Regulation of the Minister of Health of 30 December 2004 on health and safety relating the presence of chemical agents (Dz. U. of 2005. No. 11, pos. 86, as amended. D.)

Minister for the Environment of 9 December 2003 on substances posing a particular threat to the environment (Journal of Laws No. 217, poz.2141).

SAFETY DATA SHEET

Soldering paste

15.2. Chemical Safety Assessment:

No chemical safety assessment for the substance in the mixture, and the mixture itself.

SECTION 16: Other information

All data is based on our current knowledge. The card was developed based on the SDS and the data obtained from the manufacturer. Recipients of our product must take into account the existing legal provisions and other regulations.

Other sources of data for the sheet update:

- The laws are cited in section 15 of the sheet.
- Annex to Commission Regulation (EU) 2015/830 of 28th May 2015.
- Information from Bureau for Chemical Substances, the Chief Sanitary Inspector, the Institute of Occupational Medicine of prof. J. Nofer, the Institute of Occupational Medicine and Environmental Health.

H definitions:

H302 - Harmful if swallowed.

H317 - May cause an allergic skin reaction.

H319 - Irritating to eyes.

Description of used abbreviations, acronyms and symbols:

Acute Tox. 4 - Acute cat.4

Skin Sens. 1 - Skin sensitization category 1

Eye Irrit. 2 - Eye irritation cat.2

LC50 - lethal concentration for 50% of the population studied

PBT - Persistent showing bioaccumulative and toxic

vPvB - very durable . showing very bioaccumulative

PNEC - Predicted concentration causing effects

DNEL - no-effect level

NDS - Exposure Limit

STEL - Exposure Limit Instantaneous

ACC - Ceiling Exposure Limit

Training:

Prior to working with the product undergo mandatory safety training of employees in relation to the chemical agents in workplace. Document and familiarize employees with the results of risk assessment in the workplace related to the presence of chemical agents.

Classification system:.

1. Skin Sens. 1; H317; classification based on the content of the component > 1.0%

Changes have been made in the safety data sheet in accordance with Commission Regulation (EU) No 2015/830 of 28 May 2015.

Changes in the sections 2, 3, 8, 11, 15

Informing the Inspector for Chemical Substances placed on the market in the Republic of Polish products is required in accordance with the requirements of Art. 15 of the Act of 25 February 2011. on chemical substances and their mixtures (Journal of Laws No. 63, item. 322).. because the mixture is classified as dangerous.

SAFETY DATA SHEET
Soldering paste