

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Section 1: Identification of the substance/mixture and of the company

1.1 Product Identifier

Commercial Name: ARCTIC TP-1
Part No. / UPC / EAN: ACTPD00020A
ACTPD00021A
ACTPD00022A
ACTPD00023A
ACTPD00024A

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

Use of the substance or mixture: Thermal interface material for Electrical industry and electronics
Uses advised against: None known

1.3 Details of the Supplier of the Safety Data Sheet

Company: ARCTIC (HK) Ltd.
Unit 1302-05, The Octagon
6 Sha Tsui Road
Tsuen Wan, New Territories
Hong Kong

Email address: info@arctic.ac

1.4 Emergency telephone Number

English Tel: +49 611237507
German Tel : +49 611237500

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Not a hazardous substance or mixture

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008
Not a hazardous substance or mixture

2.3 Other hazards

None Known

Section 3: Composition/information on Ingredients

Chemical characterization: Silicone pad

Name	CAS-No.	EINECS/ ELINCS No.	REACH Reg. No.	Conc. (% w/w)	Classification
Organ Siloxane Polymer	9016-00-6			23%	
Thermal Conductive Filler	1344-28-1			42%	
Flame Retardant	21645-51-2			35%	

For the full text of the H-Statements mentioned in this Section, see Section 16.

CLP classifications are based on all current available data including from known international organizations. These classifications are subject to revision as more information becomes available.

Section 4: First aid measures

4.1 Description of first aid measures

If inhaled: No irritating odor.
No Impact.

In case of skin contact: No impact.

In case of eye contact: Flush or wash for 15 minutes with warm water.
Remove foreign matters in eyes.
Seek medical attention if necessary.

If swallowed: Rinse mouth thoroughly with water.
Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

None known.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water
Carbon Dioxide (CO₂)
Dry Chemical

Unsuitable Extinguishing media : None known

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: There might be silica dust during combustion, please avoid inhalation directly.

Hazardous combustion products: None known

5.3 Advice for firefighters

Special protective equipment for firefighters: Wear appropriate mask.

Specific extinguishing methods: Cut off the source of combustion.
Put out the fire.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

None known.

6.2 Environmental precautions

This product does not contain any environmental pollutants.

6.3 Methods and materials for containment and cleaning up

Sweep or gather material and dispose as appropriate.
Isopropyl alcohol may be used to clean residue.

Section 7: Handling and Storage

7.1 Advice on safe handling

No special protection is required to avoid dust during use.

7.2 Advice on storage

No possibility of deterioration.
The environment requires low temperature and dryness, no more than 45°C.
Keep away from open flames and avoid direct sunlight.

7.3 Specific uses

Refer to technical data sheet available on request.

Section 8: Exposure Controls / Personal Protection

8.1 Control parameters

Name	CAS-No	Exposure Limits

8.2 Exposure controls

Engineering Controls : Avoid direct sunlight, and dusty areas.

Personal protection equipment: No special requirement.

Environmental exposure controls

Refer to section 6, 7 and 12.

Section 9: Physical and Chemical Properties

Form :	Solid Pad
Colour :	Pink.
Odour :	None
Boiling Point :	N/A
Melting Point :	N/A
Flash Point :	N/A
Explosion Limit :	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	>250°C
Specific gravity (25°C°) :	2.3g/cm ³

The above information is not intended for use in preparing product specifications. Contact ARCTIC before writing specifications.

Section 10: Stability and Reactivity

10.1 Reactivity :

None known.

10.2 Stability :

Stable under normal usage conditions.

10.3 Possibility of hazardous reactions

Degradation reaction will occur in case of open fire, which will harm the decomposition products: carbon dioxide, monoxide carbon.

10.4 Conditions to avoid :

Avoid contact with open flame.

10.5 Materials to avoid :

Acid-base.

Non-polar solvent.

10.6 Hazardous decomposition products

Degradation reaction will occur in case of open fire, which will harm the decomposition products: carbon dioxide, monoxide carbon.

Section 11: Toxicological Information

11.1 Acute toxicity:

On contact with eyes : No adverse effects are normally expected.

On skin contact : No adverse effects are normally expected.

If inhaled : No adverse effects are normally expected.

On ingestion : No adverse effects are normally expected.

11.2 Chronic toxicity:

On skin contact : No adverse effects are normally expected.

If inhaled : No adverse effects are normally expected.

On ingestion : No adverse effects are normally expected.

11.3 Toxicokinetics, metabolism and distribution

No specific information is available.

Section 12: Ecological Information

12.1 Ecotoxicity effects

No adverse effects on aquatic organisms are predicted.

12.2 Persistence and degradability

Refer to Section 12.4.

12.3 Bioaccumulation

No bioaccumulation potential.

12.4 Release to waters / Mobility in soil

This product has a good resistance to microbial degradation performance, but it can be decomposed by acid and alkali in the soil, and become small molecules. With the reaction of photosynthesis, it will turn into water, and carbon dioxide, then enter the soil and air.

Section 13: Disposal Considerations

Product and packaging disposal

The product can be recycled, cracked, and used or incinerated or landfilled in an incinerator.
The outer packing carton can be recycled.

Section 14: Transport Information

Transportation regulations: Container packing and bulk container transportation shall be transported as non-dangerous goods.

Identification number: N/A

Special transportation information: None

Special transportation methods and precautions: Transportation temperature does not exceed 45°C

Section 15: Regulatory Information

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

- Code of Workers' Health and Safety Facilities
- Regulations on the transportation and labeling of hazardous and hazardous substances
- Traffic safety regulations
- Standards of storage, cleaning, handling and disposal of industrial waste

Section 16: Other Information

This product safety data sheet was prepared in compliance with article 31 and Annex II of the EU REACH Regulation as well as its relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the ARCTIC product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the ARCTIC Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH Regulation.



All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. ARCTIC shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local ARCTIC supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary - even for the same product - between different countries, reflecting the different compliance requirements.

Should you have any question, please refer to your local ARCTIC supplier.

Source of information: Internal data and publically available information