

Material Safety Data Sheet

1 Identification of the substance/preparation and of the company/undertaking

.Product details**.Trade name:** Infrared Ear Thermometers;Infrared Forehead Thermometers;Infrared Ear/Forehead Thermometers**.Application of the art:** Temperature Measurement for Human Body**.Product Model:** DET-101, DET-102, DET-103, DET-105, DET-205. DET-305,DET-206, DET-306, DET-215, DET-218, DET-219,**.Manufacturer/Supplier:** JOYTECH HEALTHCARE CO., LTD.

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.Further information obtainable from: JOYTECH HEALTHCARE CO., LTD.**.Information in case of emergency:** JOYTECH HEALTHCARE CO., LTD.

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2 Composition/information on ingredients

.Chemical characterization**.This product contains the following ingredient at levels subject to reporting requirements of:**

.Product Name:	CAS Number	Approximate(%)by Wt.Or Vol.
Acrylonitrile Butadiene Styrene (ABS)	None	70%~90%
Copper	7440-50-8	1%
Glass	7631-86-9	7%~9%

3 Hazards identification

.Information concerning particular hazards for human and environment:

The product has not 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 the latest editions of the EU-lists, and extended by company and literature data.

.Potential Health Effects:

.Acute Effects

•**Primary Entry Routes:** Not Applicable.

•**Eyes:** May cause eye irritation.

•**Skin:** May cause skin irritation.

•**Ingestion:** Ingestion of large amounts may cause gastrointestinal irritation.

•**Inhalation:** Not Applicable

.Chronic Effects

•**Eyes:** Not Applicable

•**Skin:** Not Applicable

•**Ingestion:** Not Applicable

•**Inhalation:** Not Applicable

•**Carcinogenicity:** Not Applicable

•**Target Organ Effects:** Not Applicable

•**Medical Conditions Aggravated by Long-Term Exposure:** Not Determined

•**Other Information:** Not Applicable

4 First aid measures

•**General information:** No special measures required.

•**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

•**Skin Contact:** If irritation occurs, flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

•**Ingestion:** Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.

•**Inhalation:** Not Applicable

•**Medical conditions aggravated by exposure:** No medical conditions are known to be aggravated by these products.

•**Recommendations to physicians:** Not Applicable

5 Fire-fighting measures

•**Flammable properties:** Flammable by WHMIS criteria. Vapours may travel to a source of ignition and flash back. Containers may explode when heated.

.Extinguishing media:

Suitable extinguishing media: Dry chemical. Foam. Carbon dioxide.

Unsuitable extinguishing media: Not available

.Protection of firefighters:

Specific hazards arising from the chemical: Not available

Protective equipment for fire fighters: Firefighters should wear full protective clothing including self contained breathing apparatus.

•**Hazardous combustion products:** May include and are not limited to: Oxides of carbon.

.Unusual Fire and Explosion Hazards: *Vapors may form an explosive mixture in air and may be ignited by sparks, pilot lights, etc. Closed containers may rupture when exposed to extreme heat.*

.Explosion Data:

Sensitivity to mechanical impact: *Not available.*

Sensitivity to static discharge: *Not available.*

6 Accidental release measures

.Person-related safety precautions: *Not required.*

.Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/surface or ground water.

.Measures for cleaning/collection:

Before attempting clean up, refer to hazard data given above.

..Spill Management: *Place in container for proper disposal. Stop the source of the release if you can do it without risk.*

7 Handling and storage

.Handling:

.Information for safe handling: *No special measures required.*

.Information about protection against explosions and fires: *No special measures required.*

.Storage:

.Requirements to be met by storerooms and receptacles: *No special requirements.*

.Information about storage in one common storage facility: *Not required.*

.Further information about storage conditions: *None.*

8 Exposure controls/personal protection

.Additional information about design of technical systems: *No further data; see item 7.*

.Personal protective equipment:

.General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

.Breathing equipment: *Not required.*

.Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

.Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

.Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
.Eye protection: Goggles recommended during refilling.

9 Physical and chemical properties

.General Information	
.Form:	Article
.Color:	Color
.Odor:	None
.Change in condition	
.Melting point/Melting range:	Not available
.Boiling point/Boiling range:	Not available
.Flash point:	Not applicable
.Self-igniting:	Product is not self-igniting
.Danger of explosion:	Product does not present an explosion hazard
.Density:	Not determined
.Relative density:	Not available
.Vapor density:	Not available
.Evaporation rate	Not available
.Solubility in/Miscibility with Water:	
	Not miscible
.PH-Value:	Not available
.Viscosity:	
.Dynamic:	Not available

10 Stability and reactivity

.Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

.Dangerous reactions: No dangerous reactions known.

.Dangerous products of decomposition: No dangerous decomposition products known.

.Materials with which substance is incompatible: None known.

.Hazardous Polymerizations: Will not occur.

.Conditions to Avoid: Avoid exposure or contact to extreme temperatures, incompatible chemicals.

11 Toxicological information

.Please refers to section 3 for hazards identification.

.Acute Toxicity Data: The following results are for a similar product.

.Acute toxicity:

.Primary irritant effect:

.On the skin: No irritant effect.

.On the eye: No irritating effect.

.Sensitization: No sensitizing effects known.

.Carcinogenicity: By a medical expert subject to review by the program's toxicological review board, to contain no

.Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for

.Preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

.Ecotoxic effects: Not expected to be acutely toxic. But it is harmful if ingested by animals and aquatic life. Because of high molecular weight and hard decomposition will remain in the soil and sink in the water .accumulation and sedimentation will occur.

.Persistence and degradability: Sun light may cause surface degradation .It is expected to be inert in the environment and not to bio gradate.

.Other adverse effects: Not expected to be acutely toxic. But it is harmful if ingested by animals and aquatic life.

13 Disposal considerations

Dispose of in accordance with all applicable regulation.

.Waste Disposal Methods: When no longer needed, these articles may be disposed of as permitted by local waster handling authority.

.Waste from residues/unused products: Not applicable.

.Contaminated packaging: Not available.

14 Transport information

International transport regulation

UN number: Not available

Land-Road/Railway: Not available

Sea: Not available

Air: Not available

15 Regulatory information

.Labeling according to EU guideline:

The product has not been classified and marked marked in accordance with EU Directives /Ordinance on Hazardous Materials.

.OSHA Hazard Communication Status: This product is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard.

Toxic Substances Control Act (TSCA) Status: All ingredients of this material has been reported to the US EPA and are included in the TSCA inventory

16 Other information

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1907/2006, EU Commission Directive 1999/45/EC, 1967/548/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handing, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may be applicable.

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