



Material Safety Data Sheet (MSDS)

Sample Name: RTX-Auracast™ Audio Transceiver

Tested Model: B-RTX

Customer: Bettear – Accessibility Technologies Development Ltd.

Customer Address: 33 Ha'Barzel, Tel-Aviv, Israel

WRITTEN BY

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Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Sample Name: RTX-Auracast™ Audio Transceiver

Tested Model: B-RTX

Trademark: Bettear

Customer: Bettear – Accessibility Technologies Development Ltd.

Customer Address: 33 Ha'Barzel, Tel-Aviv, Israel

Manufacturer: Bettear – Accessibility Technologies Development Ltd.

Manufacturer Address: 33 Ha'Barzel, Tel-Aviv, Israel

Section 2 - Hazards Identification

Fatalness grade: In accordance with Regulation (EC) No. 1272/2008, the sample is not divided into dangerous article.

Classification of the substance or mixture:

This product is not classified as hazardous according to the GHS(The Globally Harmonized System of Classification and Labelling of Chemicals)

GHS Label elements, including precautionary statements:

Pictogram(s): No pictogram is used

Signal Word: No signal word is used.

Hazard Statement: No hazard statement.

Precautionary statements: No precautionary statement

Description of any hazards not other wise classified: No additional information available

Invasion route:

Skin contact: Metal molten material may cause thermal burns.

Eyes contact: No harm in normal use.

Inhalation: No harm in normal use.

Ingestion: No harm in normal use.

Health hazards: No harm in normal use.

Environment hazards: No known significant effects or critical hazards.

Burn & burst danger: The sample can be burned.

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**Section 3 –Composition/Information on Ingredients**

Substance Admixture√

Chemical composition:

		Chemical Name	CAS No.	Composition (in% by weight)		Weight percentage of finished product samples (%)	
				H5.0	H6.0		
Metal	Stainless steel	Carbon(C)	7440-44-0	0.019%	0.025%	0.008%	
		Silicon(Si)	7440-21-3	0.37%	0.038%		
		Manganese (Mn)	7439-96-5	2.25%	2.26%		
		Phosphorus(P)	7723-14-0	0.034%	0.033%		
		Sulfur(S)	7704-34-9	0.269%	0.262%		
		Nickel (Ni)	7440-02-0	8.21%	8.12%		
		Chromium (Cr)	7440-47-3	17.39%	17.46%		
		Copper(Cu)	7440-50-8	2.13%	2.1%		
Non-metal	Plastic	Polycarbonate	25971-63-5	49.800%		99.992%	
		Acrylonitrile- Butadiene-styrene	9003-56-9	30.000%			
		Bisphenol-A bis	181028-79-5	20.000%			
		titanium pigment	R568	0.149%			
		Black	F660	0.005%			
		Blue imports	CF306	0.011%			
		Yellow	CF297	0.008%			
		Red	CF156	0.008%			
	blue toner	Diffusion powder	189A	0.019%			
		titanium pigment	CR-58-2	49.2%			
		Imported high-temperature blue	101357-19-1	7%			
		Phthalocyanine blue	147-14-8	10.7%			
		Black	101357-19-1	2.6%			
		Diffusion powder	110-30-5	30.5%			

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Chemical Name		CAS No.	Composition (in% by weight)	Weight percentage of finished product samples (%)
Non-metal	grey toner	titanium pigment	CR-58-2	74.5%
		Black	101357-19-1	2.5%
		Blue imports	101357-19-1	5.3%
		Yellow	101357-19-1	4%
		Red	6410-26-0	4.2%
		Diffusion powder	110-30-5	9.5%
	rosy toner	titanium pigment	CR-58-2	42.3%
		Red	6410-26-0	17.6%
		Purple	6358-30-1	9.9%
		Black	101357-19-1	5.6%
		Diffusion powder	110-30-5	24.6%
	white toner	titanium pigment	CR-58-2	90.6%
		Yellow	101357-19-1	1.5%
		Red	6410-26-0	0.3%
		Black	101357-19-1	1.2%
		Diffusion powder	110-30-5	6.3%
	white toner	titanium pigment	CR-58-2	39%
		Blue imports	101357-19-1	2.4%
		purple	101357-19-1	2.4%
		Diffusion powder	110-30-5	56.1%

Section 4 - First Aid Measures

Skin touch: If Metal molten material contacts skin, gently peel off, wash in flowing water or soap wash skin. Do not force to peel material from skin. Get medical aid.

Eyes touch: No applicable

Inhalation: Considering the sample size, it is generally not inhaled.

Ingestion: Considering the sample size, it is generally not ingested.

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Section 5 - Fire Fighting Measures

Danger characteristic: In open flame, high heat combustible.

Hazardous combustion products: CO, CO₂.

Fire-Fighting method & media: The staff must equip with filtermask (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defense the fire and the toxic gas. Put out the fire in the upwind direction. Remove the container to the open space as soon as possible. Spray water on the containers in the fireplace to keep them cool until finish extinguishment. Media: hazy water, foam, powder, CO₂, sandy clay.

Section 6 –Accidental Release Measures

Emergency treatment: Cut off the fire source. Small amount of divulgence: clean off. Put into bags and transfer to safe places. Massive divulgence: Recycle or transport to waste treatment place for handling. Metal cutting edge and corner. May lead to personnel Contact a cut contusion, Recycled material as far as possible complete recovery, To have professional recycling units recycling.

Section 7 - Handling and Storage

Handling: Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear self-contained breathing dust respirator, protective gloves, and working clothes. Keep away from fire and heating sources. No smoking in the workplace. Avoid producing dust. Prevent contacting with oxidizer and acid. Equip with relevant types and quantities of the extinguishment instruments and devices for divulgence handling. Proper packaging metal materials. Prevent In the process of movement harm person.

Storage: Stored in dry place and well packed, damp proof, natural ventilation. Keep away from fire and heating sources. Equip with relevant types and quantities of the extinguishment instruments.

Section 8 - Exposure Controls, Personal Protection

Maximum admissible concentration: No standard yet.

Monitoring Method: None.

Engineering Control: Supply with sufficient partial air exhaust.

Respiratory Protection: There are no special requirements in general. In case of emergency rescue or evacuation, you should wear an air respirator.

Eyes Protection: There are no special requirements in general. Wear protective glasses in industrial production.

Body Protection: There are no special requirements in general. Wear work clothes in industrial production.

Hands Protection: There are no special requirements in general. Wear protective gloves in industrial production.

Other Protections: No smoking, dining and drinking water in the workplace. Keep good habit of hygiene. Provide safe showers and eyewash equipment.

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Section 9 - Physical and Chemical Properties

Appearance: No data available

Color: No data available

Odour: No data available

Flashpoint: N/A

Ignition temperature: N/A

Density: No data available

pH: No data available

Vapour density: No data available

Evaporation rate: No data available

Viscosity: No data available

Air pressure: No data available

Water solubility: Insoluble in water

Section 10 - Stability and Reactivity

Stability: Stable under normal temperature and pressure.

Distribution of Ban: Strong oxidant, strong acid.

Conditions to Avoid: Fire, high temperature.

Hazardous Polymerization: None.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Acute Toxicity:

Oral: No data available.

Inhalation: No data available.

Dermal: No data available.

Skin irritation or corrosion: No data available.

Eye irritation or corrosion: No data available.

Respiratory or skin allergies: No data available.

Germ cell mutation: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ system toxicity - one exposure: No data available.

Specific target organ system toxicity - repeated exposure: No data available

Inhalation hazard: No data available.

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Section 12 - Ecological Information

Eco-toxicity: No data available.

Biodegradable: No data available.

Non-biodegradable: No data available.

Bioconcentration or biological accumulation: No data available.

Other harmful effects: No data available.

Section 13 - Disposal Considerations

Nature of waste: The sample is not regarded as hazardous waste, as defined by Regulation (EC) No. 1272/2008.

Waste disposal methods: Refer to National or Local regulations before handling.

Attention abandoned: Recyclable.

Section 14 - Transport Information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	No Applicable	No Applicable	No Applicable
Transport hazard class:	No Applicable	No Applicable	No Applicable
Packaging group:	No Applicable	No Applicable	No Applicable
Marine pollutant:	No	No	No
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code:	Not required	Not required	Not required

Packaging Method: No specific data.

Transport Fashion: No specific data.

Transport Attentions: Examine whether the package of the containers are integrated or not before transport.

No divulgence, no collapse, no precipitation or no damage during the course of transportation. Don't put the goods together with oxidizer and strong acid. The transport vehicle and ship must be cleaned and sterilized otherwise it is not allowed to assemble articles. During transport, the vehicle should prevent exposure, rain and high temperature. For stopovers, the vehicle should be away from fire and heat sources. When transported by sea, the assemble place should keep away from bedroom and kitchen, and isolated from the engine room, power and fire source.

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Section 15 - Regulatory Information

Regulatory Information: ISO 11014-2009 Safety data sheet for chemical products-Content and order of sections. Regulation (EC) No. 1272/2008 Classification, Labelling and Packaging of Substances and Mixtures.

Section 16 - Additional Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Remark:

1. Report S250418015001-1 was repealed and replaced by Report S250418015001-1A.
2. The evaluation report is based on official website data and customer supply information, only for customer research, teaching, internal quality control, product development and other purposes, for reference only.

*** End of Report ***

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