## Material Safety Data Sheet Quick Braid

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING.

1.1		ion of substance (as per label): ns of Identification:		Quick Braid Desoldering Braid.		
1.2		Name: Easy Braid Co.		Part Numbers: Q-A-5, Q-A-5AS, Q-A-10, Q-A-10AS, Q-A-25, Q-A-		
1.2	Company Contact Na				3-5, Q-B-5AS, Q-B-10, Q-B-10AS, Q-A-25, Q-A- 3-5, Q-B-5AS, Q-B-10, Q-B-10AS, Q-B-25,	
	Full Addre	1				
	Full Addre			Q-B-50, Q-B-100, Q-B-500, Q-C-5, Q-C-5AS, Q-C-10, Q-C-10AS, Q-C-25, Q-C-50, Q-C-100, Q-C-500, Q-D-5, Q-D-5AS, Q-D-10, Q-D-		
	T-11	Minneapolis, MN 55343				
	Fax Numb	Number: 952-929-3040			D-100, Q-D-500, Q-E-5, Q-E-5AS, Q-E-10,	
	Emergency			Q-E-10AS, Q-E-25, Q-E-50,	, Q-E-100, Q-E-500	
2 CON		N / IDENTIFICATION ON INGRED	IENTS			
	CAS	INGREDIENTS	1EI 15 %	SYMBOLS	RISK	
	MBER	INOREDIENTS	70	STWDOLS	PHASE	
	0-50-8	Pure Copper Metal	99.9		TITIOL	
		11		-		
805	0-09-7	Modified Rosin	.1%			
					-	
2.1	Substance	s presenting a health hazard:		The 0.1% Rosin may cause	allergic reactions: does not contain	
2.1	Substance	o presenting a neurar nazara.		hazardous ingredients.	and be reactions, does not contain	
				Copper -	ACGIH	
2.2	Exposure	Limit Values:		coppor	TLV	
				-fume	0.1 mg/m3	
2.3	Is substan	ce is confidential - indicate chemical nat	ure to	-dust	1.0mg/m3	
2.5	ensure safe			uusi	1.0116/11.5	
3. HA7		ENTIFICATION				
3.1				HMIS Hazard Rating: 0 =	= insignificant	
					= slight	
					moderate	
				3 =	- high	
					extreme	
				Health = 1		
				Flammability = 0		
3.2	Critical Ha	azards to Man & Environment:		Reactivity $= 0$		
				Rosin flux may cause an allergic reaction, resulting in a skin rash.		
				Clean hands after use.		
		luman Health Effects and Symptoms:				
4. FIRST AID MEASURE						
4.1	Skin Cont			Flush skin with copious amount	Flush skin with copious amounts of water.	
	-First A					
	-Symptoms:			Rash.		
	-Effects:			1.4011.		
	-Delayed Effects:					
	-Medical Attention Needed:					
	Eye Contact:					
	-First Aid:					
	-Symptoms:			Remove metal fragments and flush eyes with water.		
-Effects: -Delayed Effects: -Professional Attention Needed: Inhalation:						
	-First Aid: -Symptoms: -Effects:					
	-Delayed Effects:					
	-Professional Attention Needed:					
	Ingestion:				athing has stopped, administer CPR.	
	-First Aid:			Induce vomiting.		
	-Symptoms:					
	-Effects:			Wire strands could cause in	ternal digestive tract bleeding.	
	-Delayed Effects:			Induce vomiting.		
	-Profes	ssional Attention Needed:		indee tomiting.		

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5. FIRE FIGHTING MEASURES         5.1       Suitable Extinguishing Media:         5.2       Unsuitable Extinguishing Media:         5.3       Exposure Hazards:         6.3       Exposure Hazards:         6.4       Combustion Products: Resulting Gases: Protective Equipment For Firefighters:         6.5       Protective Equipment For Firefighters: Resulting Gases: Provision for sufficient ventilation? Control of dust? -Prevention of sufficient ventilation? Control of dust? Prevention of Sufficient ventilation? Trechnical Precautions for Safe Handling Measures necessary to prevent airborne levels of chemical bridge generated as a result of handling. Measures necessary to prevent airborne levels of chemical bridge generated as a result of handling. Special Requirements for safe Handling Jist incompatible materials 7.2         7.2       -Quantity Limits for strange Special Requirements for proper storage of chemical (e.g. Fum	
5.2       Unsuitable Extinguishing Media:       Do not use water.         5.3       Exposure Hazards:       Do not use water.         5.3       Combustion Products:       Combustion Products:         -Resulting Gases:       Protective Equipment For Firefighters:       Do not use water.         6.4       Combustion for sufficient ventilation?       Carbon Monoxide, Aliphatic Aldehydes, and Acids         6.1       Personal Precautions:       -Ignition sources?         -Provision for sufficient ventilation?       -Control of dust?         -Prevention of skin contact?       -Prevention of skin contact?         -Prevention of eye contact?       Benvironmental Precautions:         Environmental Precautions:       Gloves not normally required.         6.4       Yacuum or sweep up and dispose of as a non-cumbustable meta         6.4       Yacuum or sweep up and dispose of as a noncombustible solid.         7.1       Handling         -General Rules       -Technical Precautions for Safe Handling         -Measures necessary to prevent airborne levels of chemical       being generated as a result of handling.         -Measures necessary to prevent airborne levels of chemical       being generated as a result of handling.         -Technical Precautions for storage       Store in cool, dry environment for functional purposes.         7.2       -Quan	
5.4       Combustion Products: -Resulting Gases: Protective Equipment For Firefighters:       Iodates, C12, C1F2, Ethylene Oxide, F2, H2O2, Hydrazine mon Hydrazoic acid, H2S, K2O2, NaN3, Na2O2, CUN03, S.         6.4       Combustion Products: -Resulting Gases: Protective Equipment For Firefighters:       Carbon Monoxide, Aliphatic Aldehydes, and Acids         6.1       Personal Precautions: -Ignition sources? -Provision for sufficient ventilation? -Control of dust? -Prevention of skin contact? -Prevention of eye contact? Environmental Precautions: Environmental Precautions:       When subjected to temperatures over 180° F, flux fumes should vented. See Section 8.1. Yacuum or sweep up and dispose of as a non-cumbustable meta Gloves not normally required. When clipping short lengths, pro eyewear is recommended.         6.2       Methods for Cleaning Up: Materials not to be Used for Cleaning Up: C.3 6.4       Vacuum or sweep up and dispose of as a noncombustible solid. See above. See section 5, of this document.         7.1       Handling -General Rules -Technical Precautions for Safe Handling -Measures necessary to prevent airborne levels of chemical being generated as a result of handling. Recommended Storage Conditions -List incompatible materials 7.2       Store in cool, dry environment for functional purposes. None required. If product is exposed to temperatures are above 180° F, use loc: ventilation.         7.2       -Quantity Limits for storage -Special Requirements for proper storage of chemical       Store in cool, dry environment.         8.1       System Design (e.g. Fune Hoods, Ventilated Cabinets, Enclosure)       See sections 5 & 2 of this document.         8.1	
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See Section 8.1.         -Prevention of skin contact?         -Prevention of eye contact?         Environmental Precautions:         6.2         Methods for Cleaning Up: Materials not to be Used for Cleaning Up:         6.3         6.4         7.1         Handling         -General Rules         -Technical Precautions for Safe Handling         -Height and the surge secessary to prevent airborne levels of chemical being generated as a result of handling.         Recommended Storage Conditions         -List incompatible materials         7.2       -Quantity Limits for storage         -Special Requirements for proper storage of chemical         8.1       System Design (e.g. Fume Hoods, Ventilated Cabinets, Enclosure)         8.1       System Design (e.g. Fume Hoods, Ventilated Cabinets, Enclosure)	100
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-Technical Precatitions for Safe Handling       None required.         -Measures necessary to prevent airborne levels of chemical being generated as a result of handling.       None required.         Recommended Storage Conditions       -List incompatible materials         -Quantity Limits for storage       -Special Requirements for proper storage of chemical         See sections 5 & 2 of this document.       See sections 5 & 2 of this document.         8.1       System Design (e.g. Fume Hoods, Ventilated Cabinets, Enclosure)       General mechanical or local hood. Ventilation is recommended applications where the product will exceed 180 <sup>0</sup> F.	
Measures necessary to prevent arborne levels of chemical being generated as a result of handling. Recommended Storage Conditions       If product is exposed to temperatures are above 180 <sup>0</sup> F, use lock ventilation.         7.2       -Quantity Limits for storage       -Special Requirements for proper storage of chemical       See sections 5 & 2 of this document.         8.1       System Design (e.g. Fume Hoods, Ventilated Cabinets, Enclosure)       General mechanical or local hood. Ventilation is recommended applications where the product will exceed 180 <sup>0</sup> F.	
Recommended Storage Conditions       ventilation.         1       -List incompatible materials         7.2       -Quantity Limits for storage         -Special Requirements for proper storage of chemical       See sections 5 & 2 of this document.         8. EXPOSURE CONTROLS / PERSONAL PROTECTION       See sections 5 & 2 of this document.         8.1       System Design (e.g. Fume Hoods, Ventilated Cabinets, Enclosure)       General mechanical or local hood. Ventilation is recommended applications where the product will exceed 180 <sup>0</sup> F.	
1       A contract storage continuity of storage         -List incompatible materials       -Quantity Limits for storage         -Special Requirements for proper storage of chemical       See sections 5 & 2 of this document.         8. EXPOSURE CONTROLS / PERSONAL PROTECTION       See sections 5 & 2 of this document.         8.1       System Design (e.g. Fume Hoods, Ventilated Cabinets, Enclosure)       General mechanical or local hood. Ventilation is recommended applications where the product will exceed 180 <sup>0</sup> F.	al
7.2       -Quantity Limits for storage -Special Requirements for proper storage of chemical       See sections 5 & 2 of this document.         8. EXPOSURE CONTROLS / PERSONAL PROTECTION       See sections 5 & 2 of this document.         8.1       System Design (e.g. Fume Hoods, Ventilated Cabinets, Enclosure)       General mechanical or local hood. Ventilation is recommended applications where the product will exceed 180 <sup>0</sup> F.	
Section 1       Section 1         Section 2       Section 5 & 2 of this document.         Section 2       Section 5 & 2 of this document.         Section 2       Section 2	
storage of chemical         See sections 5 & 2 of this document.           8. EXPOSURE CONTROLS / PERSONAL PROTECTION         System Design           (e.g. Fume Hoods, Ventilated Cabinets, Enclosure)         General mechanical or local hood. Ventilation is recommended applications where the product will exceed 180 <sup>0</sup> F.	
8. EXPOSURE CONTROLS / PERSONAL PROTECTION         8.1       System Design (e.g. Fume Hoods, Ventilated Cabinets, Enclosure)         General mechanical or local hood. Ventilation is recommended applications where the product will exceed 180 <sup>0</sup> F.	
8.1       System Design (e.g. Fume Hoods, Ventilated Cabinets, Enclosure)       General mechanical or local hood. Ventilation is recommended applications where the product will exceed 180 <sup>0</sup> F.	
(e.g. Fume Hoods, Ventilated Cabinets, Enclosure) applications where the product will exceed 180 <sup>0</sup> F.	
Cabinets, Enclosure)	d for
Cabinets, Enclosure)	
Control Parameters	
8.2 -Limit values or biological standards:	
Recommended Monitoring Procedures: See Section 5, of this document.	
8.3 Personal Protection -Respiratory Protection: Use local or general ventilation away from the operator if the p	product
8.4 -Respiratory Protection: -Hand Protection: temperature is exposed to 180 <sup>0</sup> F+.	
-Frand Protection: -Eve Protection: Gloves may be used if resin is a skin irritant.	
-Eye Protection: -Skin Protection: Eye protection should be worn when clipping short lengths.	
-Skin Protection. See hand protection.	
8.5 CEN standards	
Carcinogens < 0.1%	

## 9. PHYSICAL AND CHEMICAL PROPERTIES

	ICAL AND CHEMICAL PROPERTIES	
9.1	Appearance:	Copper metallic braid with fine crystalline resin layer.
9.2	Odor:	None.
9.3	pH:	N/A
9.4	Boiling Point:	1981 degrees F
9.5	Melting Point:	1949 degrees F
9.6	Flash Point:	No flash
9.7	Flammability (solid gas):	None
9.8	Autoflammability:	None
9.9	Explosive Properties:	None
9.10	Oxidizing Properties:	Copper can oxidize if prolonged exposure in moist conditions.
9.11	Vapor Pressure:	N/A
9.12	Relative Density:	N/A
9.13	Solubility:	
2.15		
	-Water Solubility	Negligible
	-Fat Solubility	Unknown
	Partition coefficient, n-octanol/water:	
9.14	Other Data:	
9.15	-Safety Parameters	N/A
9.10	-Vapor Density	N/A
		N/A N/A
	-Miscibility	
	-Evaporation rate	N/A
	-Conductivity	Copper is very conductive.
	-Viscosity	A solid
10 STAT	BILITY AND REACTIVITY	
		Stable
10.1	Stability	Stable
10.2	Conditions to avoid	
	-Effects	
10.0	Materials to Avoid	
10.3	-Effects	
	Hazardous Decomposition products	
10.4		
10.4	-the need for and the presence of	
	stabilizers:	Hazardous environment can occur in the presence of excessive heat
	-hazardous exothermic reaction:	and/or chemicals as listed in Section 5, this document.
	-change in appearance in the substance:	, , , , , , , , , , , , , , , , , , ,
	-hazardous products formed upon	
	1 1	
	contact with water:	
	-possible degradation to unstable	
	products:	
11. TOX	ICOLOGICAL INFORMATION	·
11.1	Skin Exposure:	
11.1		
	-Symptoms:	Possible allergic rash reaction. See Section 4, this document.
	-Immediate Effects:	
	-Delayed Effects:	
	-Chronic Effects:	
	-Special Health Effects:	
11.2	Eye Contact:	
		Dessible demost of motel freements, Gradient A this days
	-Symptoms:	Possible danger of metal fragments. See Section 4, this document.
	-Immediate Effects:	
	-Delayed Effects:	
	-Chronic Effects:	
11.3	-Special Health Effects:	
11.5		
	Inhalation:	If product is exposed to temperatures in excess of $180^{\circ}$ F, local
	-Symptoms:	
	-Immediate Effects:	ventilation must be used.
	-Delayed Effects:	
	-Chronic Effects:	
1		
1		
	-Special Health Effects:	
11.4	-Special Health Effects: Ingestion:	
11.4	1	
11.4	Ingestion: -Symptoms:	
11.4	Ingestion: -Symptoms: -Immediate Effects:	May be moderately irritating to stomach lining. Induce vomiting if
11.4	Ingestion: -Symptoms: -Immediate Effects: -Delayed Effects:	May be moderately irritating to stomach lining. Induce vomiting if
11.4	Ingestion: -Symptoms: -Immediate Effects: -Delayed Effects: -Chronic Effects:	May be moderately irritating to stomach lining. Induce vomiting if conscious.
11.4	Ingestion: -Symptoms: -Immediate Effects: -Delayed Effects:	

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12. I	ECOL	OGICAL	INFORMATION
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12.1	Mobility -distribution to environmental compartments -surface tension -absorption / desorption	Not applicable.
	-physical & chemical properties	
	Degradability -biotic and abiotic degradation	Not applicable.
12.2	-acrobic and anaerobic degradation -persistence	
	-persistence	
	Accumulation -bioaccumulation potential	Not applicable.
	-biomagnification	
12.3	Chart and Lana Tama Effects and	Net and leader
	Short and Long Term Effects on: -Ecotoxity	Not applicable.
	-aquatic organisms	
	-soil organisms -plants and terrestrial animals	
12.4	-Other Adverse Effects	
	-ozone depletion potential	
	-photochemical ozone creation potential	
	-effects on waste water treatment	
13 DISP	plants OSAL CONSIDERATIONS	
13.1	Safe Handling	Consult with local regulatory bodies to metallic solid waste disposal
	, i i i i i i i i i i i i i i i i i i i	
13.2	Methods of Disposal	
	SPORT INFORMATION	
14.1	UN Number:	Harmonized Tariff Code: #7413.00.1000
14.2	Road & Sea Freight Classification:	Copper wire coated with resin flux
14.3	Substance Classification Number:	
14.4	Class:	
14.5 14.6	Packing Group: Proper Shipping Name:	Validated license # / General license symbol: "NLR"
11.0	PGR (if applicable)	
14.7	ADR/RID CLASSIFICATION:	
	Class: Item Number:	
	ICAO/IATA CLASSIFICATION:	
14.8	Class: Sub-Risk:	
	Packing Group:	
	Proper Shipping Name:	
15. REGU	JLATORY INFORMATION	
15.1	Precautionary Label Information:	This product does not require warning labels due to Hazards
15.2 15.3	Symbols: Risk Phrases:	Classification as designated in Section 3. Risk Phrases: R36/37/38
15.3	Safety Phrases:	Safety Phrases: S14 (per section 5), S22/39, S43 (per section 5)
	ER INFORMATION	
16.1	Regulatory Information:	