MATERIAL SAFETY DATA	SHEET	page	1 of 3	Date Prepared: 5/3/20	
SECTION 1 - Identity	1				
Product Name:	SILVER SOLDER		Manufacturer:	The Contenti Company	
Generic Name:	NONE - MIXTURE		Address:	515 Narragansett Park Drive Pawtucket, RI 02861	
Chemical Family:	NONE - MIXTURE		Manufacturer Phone #:	401-305-3000	
Formula	PROPRIETARY		Spill, Leak, Fire, Exposure, Accident:	Chemtrec 800-424-9300	
SECTION 2 - Ingredi	ent Information				
Chemical Name	Wt. %	OSHA PEL	ACGIH	Other CAS No.	
SILVER COPPER ZINC CADMIUM		0.10mg/m 1.00 mg/m 5.00 mg/m 0.10 mg/m	1.00 mg/m³ 1.00 mg/m³ 5.00 mg/m³	7440-22-4 7440-50-8 7440-66-6 7440-43-9	
SECTION 3 - Physic	al Characteristics		SECTION 4 - Fi	re & Explosive Hazard Data	
Boiling Point:	N/A		Flash Point: (met used)	hod N/A	
Vapor Pressure: (mm Hg)	N/A		Upper Explosion	Limit: N/A	
Vapor Density: (air = 1)	N/A		Lower Explosion	Limit: N/A	
Specific Gravity:	N/A		Extinguishing Me	dia: CO2, DRY CHEMICAL, FOAM, WATER	
Melting Point:	N/A		Special Firefighti	ng WEAR SELF CONTAINED BREATHING APPARATUS AND	
Evaporation Rate:	N/A		Procedures:	PROTECTIVE CLOTHING.	
Solubility in Water:	INSOLUBLE		Unusual Fire &	NONE	
Appearance & Odor	SILVER OR YELLOW META STRIP, CUT PIECES OR DI PIECES		Explosion Hazard	ls:	
SECTION 5 – Reactiv	vity Data				
Stability:	STABLE		Hazardous Decomposition:	NONE	
Incompatibility (materials to avoid)	ACIDS AND ALKALIS		Hazardous Polymerization:	WILL NOT OCCUR	
SECTION 6 - Health	Hazard Data				
CARCINOGENICITY	NPT: NO	IARC MONOC	GRAPHS: NO	OSHA REGULATED: NO	
EFFECTS OF OVEREXPO	SURE		FIRST AID PROCEDURES		
SULVED- OVERE	XPOSURE TO SILVER DUST:	S OR FLIMES	PRC	MPTLY WASH WITH SOAP AND WATER:	

SECTION 6	6 – Health Hazard Data			
CARCINOGE	NICITY NPT: NO	IARC MONOGR	APHS: N	NO OSHA REGULATED: NO
EFFECTS OF	OVEREXPOSURE	<u>F</u>	FIRST AI	D PROCEDURES
SILVER:	OVEREXPOSURE TO SILVI MAY CCAUSE A PERMANE PIGENTATION OF THE SKII IRRITATION OF THE SKIN A MEMBRANES. PROLONGE CAN LEAD TO KIDNEY DAI	NT GRAYISH N AND CAN CAUSE AND MUCOUS D OVEREXPOSURE	Skin:	PROMPTLY WASH WITH SOAP AND WATER; THEN FLUSH WITH WATER UNTIL ALL MATERIAL IS REMOVED. REMOVE CONTAMINATED CLOTHING PROMPTLY AND WASH BEFORE REUSE. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION.
COPPER:	INDUSTRIAL EXPOSURE T DUSTS OR MISTS RESULT FEVER WITH ATROPHIC C MUCOUS MEMBRANES. C RESULTS IN WILSON'S DIS CHARACTERIZED BY HEP BRAIN DAMAGE, DEMYELI DISEASE AND COPPER DE CORNEA.	S IN METAL FUME HANGES IN NASAL HRONIC POISONING SEASE, ATIC CIRRHOSIS, MATION, RENAL	Eyes:	FOR DUST OR SOLTION IN EYES, FLUSH IMMEDIATELY FOR 15-20 MINUTES WITH LARGE AMOUNTS OF WATER. SEEK MEDICAL EVALUATION OF POTENTIAL CORNEAL DAMAGE.
ZINC:	EXCESSIVE INHALATION OF THE STATE OF T	RACTERISTIC ETAL FUME FEVER OF THE SYMPTOMS HOURS SYMPTOMS	nhalati	ON:  IMMEDIATELY REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE OXYGEN IF A QUALIFIED OPERTOR IS AVAILABLE. GET MEDICAL EVALUATION. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH- TO-MOUTH. CALL A PHYSICIAN AND GIVE

WATERIAL SAFET	I DAIA SI	TEET page	2 01 3	Date Frepared. 3/3/2013	
	HEADACH TASTE; CH PAIN; THIF AND A BLU SYMPTON	DAT; COUGHING; STOMACH PAIN; HE; NAUSEA; VOMITING; METALLIC HILLS; FEVER; MUSCLE AND JOINT RST; BRONCHITIS OR PNEUMONIA; JISH TINT TO THE SKIN. THESE MS GO AWAY IN 24 TO 48 HOURS AND D EFFECT.		SUPPORTIVE TREATMENT FOR CHILLS AND FEVER.	
CASIII CIII.	NAUSEA, EXTREMI UNCONSO MAY LEAD EXPOSUR EMPHYSE STONES, BLEEDING GASTROE	KPOSURE TO CADMIUM RESULTS IN VOMITING, PAIN IN THE BACK AND TIES, DIZZINESS AND CIOUSNESS. INGESTION OF CADMIUM O TO STOMACH PAIN. CHRONIC RE LEADS TO ANEMIA, PULMONARY EMA, PULMONARY FIBROSIS, KIDNEY LIVER AND KIDNEY DAMAGE, GFROM THE LUNGS, ULCERATIVE ENTERITIS, DAMAGE TO BONE AND DEATH.	Ingestion:	DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE SOLUBLE CALCIUM OR MAGNESIUM IN ANY FORM; MILK, CALCIUM GLUCONATE OR CALCIUM LACTATE SOLUTIONS, IF AVAILABLE; OR MILK OF MAGNESIA; OTHERWISE GIVE LARGE QUANTITIES OF WATER. CALL A PHYSICIAN. DO NOT GIVE CARBONATES OR BICARBONATES.	
SECTION 7 - F	Precauti	ons for Safe Handling & Use			
In Case of Rele	ase or	MATERIAL CAN BE PICKED UP BY HAN COOL BELOW 100° F BEFORE HANDLI		P. MOLTEN MATERIAL SHOULD BE ALLOWED TO	
Waste Disposal Method:	!	DISPOSAL OF WASTE MAY BE SUBJECT TO FEDERAL, STATE AND LOCAL REGULATIONS. USERS SHOULD CHECK WITH THE PROPER AGENCIES PRIOR TO DISPOSAL. BECAUSE OF THE PRECIOUS METAL CONTENT OF MOST BRAZING PASTES, WASTE SHOULD BE REFINED.			
Handling & Sto	rage:	MAINTAIN AT NORMAL ROOM TEMPERATURE. KEEP COVERED AND STORE IN A DRY AREA. WORKERS SHOULD WEAR GLOVES AND SAFETY GOGGLES WHEN HANDLING.			
Other Precaution	ons:	REFER TO AMSI Z49.1 "SAFETY IN CU	TTING AND WELD	DING"	
· · · · · · · · · · · · · · · · · · ·		·			

SECTION 8 – Control Measures						
Respiratory Protection:	IN CONFINED SPACES OR AREAS OF INSUFFICIENT VENTILATION, USE A NIOSH APPROVED AIRLINE RESPIRATOR, HOSE MASK OR SELF-CONTAINED BREATHING APPARATUS.	Eye Protection:	SAFETY GOGGLES OR FULL FACE SHIELD ARE RECOMMENDED DURING USE. AVOID FLAMMABLE FABRICS.			
Ventilation Requirements:	LOCAL EXHAUST SHOULD PRODUCE AN AIR FLOW OF 100 LINEAL FT./MIN.	Other Protections:	AN EYE BATH AND SAFETY SHOWER SHOULD BE LOCATED IN THE WORK AREA. WASH HANDS BEFORE EATING, DRINKING OR			
Protective Gloves:	HEAT PROTECTIVE GLOVES		SMOKING. THESE ACTIVITIES SHOULD NOT BE PERMITTED IN THE WORKPLACE OR WSHILE HANDLING PRODUCT.			

## **SECTION 9 – Additional Information**

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product.

MATERIAL SAFETY D	DATA SHEET	page	1 of 3		Date Prepared: 5/3/201
SECTION 1 - Ide	ntity				
Product Name:	SILVER SOLDER - 70		Manufacturer:	The Contenti Comp	oany
Generic Name:	BRAZING ALLOY		Address:	515 Narragansett F Pawtucket, RI 0286	
Chemical Family:	BRAZING COMPOUNDS		Manufacturer Phone #:	401-305-3000	
Formula	PROPRIETARY		Spill, Leak, Fire, Exposure, Accident:	Chemtrec 800-424	1-9300
SECTION 2 - Ingi	redient Information				
Chemical Name	Wt. %	OSHA PEL	ACGIH	Other	CAS No.
SILVER COPPER	70		0.01 mg/m³ 1.00 mg/m³ 0.1 mg/m³ f		7440-22-4 7440-50-8
ZINC			5.0 mg/m	ume	7440-66-6
SECTION 3 - Ph	ysical Characteristics		SECTION 4 - F	ire & Explosive	Hazard Data
Boiling Point:	1290° f		Flash Point: (me	ethod N/A	

SECTION 3 - Physic	al Characteristics	SECTION 4 – Fire & E	xplosive Hazard Data
Boiling Point:	1290° f	Flash Point: (method used)	N/A
Vapor Pressure: (mm Hg)	N/A	Upper Explosion Limit:	N/A
Vapor Density: (air = 1)	N/A	Lower Explosion Limit:	N/A
Specific Gravity:	N/A	Extinguishing Media:	N/A
Melting Point:	N/A	Special Firefighting	N/A
Evaporation Rate:	N/A	Procedures:	
Solubility in Water:	ZERO	Unusual Fire &	N/A
Appearance & Odor	N/A	Explosion Hazards:	
SECTION 5 - Reactive	vity Data		

SECTION 5 - Reac	SECTION 5 – Reactivity Data						
Stability:	STABLE	Hazardous	N/A				
		Decomposition:					
Incompatibility	ACIDS AND ALKALIES	Hazardous	WILL NOT OCCUR				
(materials to avoid)		Polymerization:					

(atoriaio ti	<i>-</i> ,				. 0.3	Ju	
<b>SECTION 6</b>	– Heal	th Hazaı	rd Data				
CARCINOGEN	IICITY	NPT:	NO	IARC MONO	GRAPHS:	NO	OSHA REGULATED: NO
EFFECTS OF	OVEREX	POSURE			FIRST A	AID PROC	CEDURES CONTROL OF THE PROPERTY OF THE PROPERT
SILVER:	MAY PIGM IRRII MEM	CAUSE A ENTATION ATION OF BRANES.	PERMAN N OF THE THE SK PROLON	LVER DUSTS OR FUMES ENT GRAYISH E SKIN AND CAN CAUSE IN AND MUCOUS IGED OVEREXPOSURE DAMAGE.	OVERL	EXPOSU FUME:	IMMEDIATELY REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN IF QUALIFIED OPERATOR IS AVAILABLE. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CALL A PHYSICIAN AND GIVE SUPPORTIVE TREATMENT.
COPPER:	DUS FEVE MUC RESU CHAI BRAI	TS OR MISER WITH A OUS MEM JLTS IN W RACTERIZ N DAMAG ASE AND	STS RESUTROPHIC BRANES ILSON'S ED BY A E, DEMY	E TO COPPER FUMES, JLTS IN METAL FUME C CHANGES IN NASAL . CHRONIC POISONING DISEASE, HEPATIC CIRRHOSIS, ELIMATION, RENAL DEPOSITION IN THE			
ZINC:	ZINC SYMI OR Z BE D INCL AND	MAY PROPTOMS KINC SHAKELAYED 4 UDE IRRITHROAT.	DDUCE CINOWN AS (ES. ONS) TO 12 HO FATION O COUGH,	N OF FRESHLY FORMED HARACTERISTIC S METAL FUME FEVER ET OF SYMPTOMS MAY OURS. SYMPTOMS OF THE NOSE, MOUTH STOMACH PAIN, OMITING, METALLIC			

MAIERIAL SAFETY DATAS	SHEET page	2 of 3	Date Prepared: 5/3/2013
MUSCLE OR PNEI SKIN. TH	CHILLS, FEVER, PAINS IN THE ES AND JOINTS. THIRST, BRONCHITIS JMONIA AND A BLUISH TINT TO THE IESE SYMPTOMS GO AWAY IN 24 TO 48 AND LEAVE NO EFFECT.		
OFOTION 7 D	'ana fan Oafa Han II'an o Haa		
SECTION / - Precaut	ions for Safe Handling & Use		
In Case of Release or Spill:	IN NORMAL CONDITIONS NOTHING SEWITH ACID THEN DILUTE WITH LOTS (	•	IF SPILLED AND CAME INTO CONTACT D PROTECTIVE GLOVES.
Waste Disposal Method:	DISOSAL OF WASTE PRODUCT MAY B USERS SHOULD REVIEW THEIR OWN LOCAL LAWS AND REGULATIONS, THE BEFORE DISCHARGE OF DISPOSING (	OPERATIONS IN TERMS OF EN CONSULT WITH APPROP	APPLICABLE FEDERAL, STATE AND
Handling & Storage:	REFER TO ANSI Z49.1 "SAFETY IN CUT	TING AND WELDING	
Other Precautions:	N/A		

SECTION 8 – Control Measures						
Respiratory Protection:	IN CONFINED SPACE, USE AN AIRLINE RESPIRATOR OR HOSE MASK NIOSH APPROVED OR SELF CONTAINED	Eye Protection:	SAFETY GOGGLES OR FULL FACE SHIELD.			
Ventilation Requirements:	LOCAL: AIR FLOW TO PRODUCE VELOCITY OF 100 LINEAL FT/MIN IN BRAZING ZONE. MECHANICAL: REFER TO ANSI Z49.1 "SAFETY IN CUTTING AND WELDING" PUBLISHED BY: THE AWS PO BOX 351040 MIAMI, FL 33135.	Other Protections:	NORMAL CLOTHING FOR TORCH BRAZING (AVOID FLAMMABLE FABRICS); EYE BATH AND SAFETY SHOWER. WASH HANDS BEFORE EATING, DRINKING AND SMOKING. THE DRINKING WATER SUPPLY IS PROHIBITED UNDER FEDERAL LAW IN WORKING AREA. DO NOT PERMIT EATING, DRINKING, OR USING TOBACCO PRODUCTS			
Protective Gloves:	HEAT PROTECTIVE RUBBER		WHILE HANDLING.			

## **SECTION 9 – Additional Information**

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MATERIAL SAFETY DATA SHEET pa		page	1 of 3	Date Prepared: 5/3/2013	
SECTION 1 - Ide	ntity				
Product Name:	SILVER SOLDER - 75		Manufacturer:	The Contenti Comp	pany
Generic Name:	BRAZING ALLOY		Address:	515 Narragansett F Pawtucket, RI 0286	
Chemical Family:	BRAZING COMPOUNDS		Manufacturer Phone #:	401-305-3000	
Formula	PROPRIETARY		Spill, Leak, Fire, Exposure, Accident:	Chemtrec 800-424	1-9300
SECTION 2 - Ing	redient Information				
Chemical Name	Wt. %	OSHA PEL	ACGIH	Other	CAS No.
SILVER COPPER	75		0.01 mg/m³ 1.00 mg/m³ 0.1 mg/m³ f		7440-22-4 7440-50-8
ZINC			5.0 mg/m		7440-66-6

SECTION 3 - Physic	al Characteristics	SECTION 4 - Fire & E	Explosive Hazard Data
Boiling Point:	1290° F	Flash Point: (method used)	N/A
Vapor Pressure: (mm Hg)	N/A	Upper Explosion Limits	N/A
Vapor Density: (air = 1)	N/A	Lower Explosion Limit:	N/A
Specific Gravity:	N/A	Extinguishing Media:	N/A
Melting Point:	N/A	Special Firefighting	N/A
Evaporation Rate:	N/A	Procedures:	
Solubility in Water:	ZERO	Unusual Fire &	N/A
Appearance & Odor	N/A	Explosion Hazards:	
OFOTION 5 - Decetion			

SECTION 5 - Read	tivity Data		
Stability:	STABLE	Hazardous	N/A
		Decomposition:	
Incompatibility	ACIDS AND ALKALIES	Hazardous	WILL NOT OCCUR
(materials to avoid)		Polymerization:	

SECTION 6 – Health Hazard Data						
CARCINOGEN	IICITY	NPT: NO	IARC MONOG	GRAPHS: NO	OSHA REGULATED: NO	
EFFECTS OF	OVEREXPO	SURE		FIRST AID PROCEDURES		
SILVER:	FUMES PIGMEN IRRITAT MEMBR	TATION OF THE S ION OF THE SKIN	RMANENT GRAYISH SKIN AND CAN CAUSE AND MUCOUS ED OVEREXPOSURE	OVEREXPOSU RE TO FUME:	IMMEDIATELY REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN IF QUALIFIED OPERATOR IS AVAILABLE. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CALL A PHYSICIAN AND GIVE SUPPORTIVE TREATMENT.	
COPPER:	DUSTS ( FEVER ) MUCOU RESULT CHARAGE BRAIN E	OR MISTS RESUL MITH ATROPHIC ( S MEMBRANES. ( S IN WILSON'S DI CTERIZED BY A HI DAMAGE, DEMYEL E AND COPPER D	TO COPPER FUMES, TS IN METAL FUME CHANGES IN NASAL CHRONIC POISONING SEASE, EPATIC CIRRHOSIS, LIMATION, RENAL EPOSITION IN THE			
ZINC:	ZINC MA SYMPTO OR ZINO BE DELA INCLUD AND TH	AY PRODUCE CHADES KNOWN AS IN C SHAKES. ONSET AYED 4 TO 12 HOU E IRRITATION OF ROAT. COUGH, ST	METAL FUME FEVER FOR SYMPTOMS MAY JRS. SYMPTOMS THE NOSE, MOUTH			

MATERIAL SAFETY DATA S	SHEET page	2 of 3	Date Prepared: 5/3/2013
MUSCLE OR PNEI SKIN. TH	CHILLS, FEVER, PAINS IN THE ES AND JOINTS. THIRST, BRONCHITIS JMONIA AND A BLUISH TINT TO THE IESE SYMPTOMS GO AWAY IN 24 TO 48 AND LEAVE NO EFFECT.		
SECTION 7 - Precaut	ions for Safe Handling & Use		
In Case of Release or Spill:	IN NORMAL CONDITIONS NOTHING SHOULD HAPPEN, HOWEVER IF SPILLED AND CAME INTO CONTACT WITH ACID THEN DILUTE WITH LOTS OF WATER. WEAR MASK AND PROTECTIVE GLOVES.		
Waste Disposal Method:	DISOSAL OF WASTE PRODUCT MAY BE SUBJECT TO FEDERAL, STATE AND LOCAL REGULATIONS. USERS SHOULD REVIEW THEIR OWN OPERATIONS IN TERMS OF APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS, THEN CONSULT WITH APPROPRIATE REGULATORY AGENCIES BEFORE DISCHARGE OF DISPOSING OF THE WASTE MATERIAL.		
Handling & Storage:	REFER TO ANSI Z49.1 "SAFETY IN CUT	TING AND WELDING	
Other Precautions:	N/A		

SECTION 8 – Control Measures					
Respiratory Protection:	IN CONFINED SPACE, USE AN AIRLINE RESPIRATOR OR HOSE MASK NIOSH APPROVED OR SELF CONTAINED	Eye Protection:	SAFETY GOGGLES OR FULL FACE SHIELD.		
Ventilation Requirements:	LOCAL: AIR FLOW TO PRODUCE VELOCITY OF 100 LINEAL FT/MIN IN BRAZING ZONE. MECHANICAL: REFER TO ANSI Z49.1 "SAFETY IN CUTTING AND WELDING" PUBLISHED BY: THE AWS PO BOX 351040 MIAMI, FL 33135.	Other Protections:	NORMAL CLOTHING FOR TORCH BRAZING (AVOID FLAMMABLE FABRICS); EYE BATH AND SAFETY SHOWER. WASH HANDS BEFORE EATING, DRINKING AND SMOKING. THE DRINKING WATER SUPPLY IS PROHIBITED UNDER FEDERAL LAW IN WORKING AREA. DO NOT PERMIT EATING, DRINKING, OR USING TOBACCO PRODUCTS		
Protective Gloves:	HEAT PROTECTIVE RUBBER		WHILE HANDLING.		

## **SECTION 9 – Additional Information**

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