

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER/NAME: HRT - Heat Resistent Technology Contact Tips

PRODUCT PART NUMBERS: 750XX400, 750XX500, 750XX600

PRODUCT USE: Contact Tips used on MIG torches in welding applications

MANUFACTURER: CEP GmbH

ADDRESS: Maxim-Gorki-Str. 31, D - 09599 Freiberg / Sachsen, Germany

TELEPHONE NUMBER: +49 (3731) 77 32 - 10

SUPPLIER: American Weldquip, Inc.

ADDRESS: 1375 Wolf Creek Trail, Sharon Center, Ohio 44274

TELEPHONE NUMBER: (330) 239-0317

EMERGENCY PHONE: 1- (330) 239-0317 (7:00am – 5:00pm USA Eastern Time)

SECTION 2: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: The product is not to be classified as hazardous to environment according to the US GHS (Globally Harmonized System).

LABEL ELEMENT SIGNAL WORD: None

HAZARD STATEMENT: Aquatic Acute 1 H400 Very toxic to aquatic life.

PICTOGRAMS: Select



PRECAUTIONARY STATEMENTS:

PREVENTION: During subsequent treatment if the form of the product is changed (e.g. by sanding, polishing, welding, melting) and types of dust or steams develop, dangers could result from the contained ingredients.

RESPONSE: None

STORAGE: None

DISPOSAL: None

HAZARDS NOT OTHERWISE CLASSIFIED: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:

CHEMICAL NAME	% COMPOSITION	CAS/EINECS Number
Copper	>95%	CAS: 7440-50-8 / EINECS: 231-159-6
Aluminum Oxide	<2%	CAS: 1344-28-1/EINECS: 215-691-6
Boron	<0.3%	CAS: 7440-42-8 / EINECS: 231-151-2
Carbon	<0.5%	CAS: 7440-44-0 / EINECS: 231-153-3

Titanium	<1%	CAS: 7440-32-6 / EINECS: 231-142-3
Tungsten Carbide	<3%	CAS: 12070-12-1 / EINECS: 235-123-0

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: None

SKIN: None

INGESTION: None

INHALATION: None

MOST IMPORTANT SYMPTOMS AND EFFECTS:

ACUTE: None

DELAYED: None

RECOMMENDATIONS FOR IMMEDIATE MEDICAL CARE AND SPECIAL TREATMENT IF REQUIRED:

If exposed call a Poison Center or physician. All treatments should be based on observed signs and symptoms of distress. Consideration should be given with the condition of the victim and the possibility of overexposure to materials unrelated to this product.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use fire fighting measures that suit the environment

UNSUITABLE/SUITABLE EXTINGUISHING MEDIA: None

SPECIAL HAZARDS ARISING FROM SUBSTANCE: None

HAZARDOUS COMBUSTION PRODUCTS: None

SPECIAL PROTECTIVE EQUIPMENT OR PRECAUTIONS FOR FIRE-FIGHTERS: None

NFPA RATINGS: HEALTH: 1 FIRE: 0 REACTIVITY: 0

HAZARD SCALE: 0=MINIMUM, 1=SLIGHT, 2=MODERATE, 3=SEVERE, 4=SEVERE

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: None

ENVIRONMENTAL PRECAUTIONS: None

METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN-UP: Pick up mechanically

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wash hands thoroughly after handling. Empty storage containers/bag may contain product residue which may exhibit hazards of product. Do not breathe vapor, mist of dust. Avoid contact of raw material with eyes, skin and clothing.

RECOMMENDATIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES: None

ENVIRONMENTAL EXPOSURE CONTROL: Follow best practices for site management and disposal of waste.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS:

7440-50-8 COPPER	
PEL	1* 0.1** mg/m³ as Cu *dusts and mists **fume

REL	1* 0.1** mg/m ³ as Cu *dusts and mists **fume
TLV	1* 0.2** mg/m ³ *dusts and mists; **fume; as Cu
12070-12-1 TUNGSTEN CARBIDE	
REL	0.05* 0.015** mg/m ³ contg *>2% Co, **>0.3% Ni; PocketGuide Apps.A*;A+C**
TLV	as Co
1344-28-1 ALUMINUM OXIDE	
PEG	15* 5** mg/m ³ *total dust **respirable fraction
TLV	1* mg/m ³ *as respirable fraction

ENGINEERING MEASURES/CONTROLS:

PERSONAL PROTECTIVE EQUIPMENT:

VENTILATION/RESPIRATORY PROTECTION : Not necessary under conditions of normal use.

EYE/FACE PROTECTION: At a minimum always wear safety glasses with side shields. Additional protection such as goggles, face shields or respirators may be required.

SKIN PROTECTION: Wear protective gloves.

WORK HYGIENIC PRACTICES: Always wash hands on a regular basis. Do not eat, drink, smoke or sniff while working.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC PHYSICAL FORM:	Solid	FLAMMABLE UPPER/ LOWER LIMITS:	Not Flammable
COLOR:	Copper	VAPOR PRESSURE:	NA
ODOR:	Oderless	VAPOR DENSITY:	NA
ODOR THRESHOLD:	None	RELATIVE DENSITY:	8.6 - 8.9 g/cm ³ (71.767 - 74.27 lbs/gal)
PH:	NA	SPECIFIC GRAVITY:	NA
BOILING POINT:	2597°C(4707°F)	SOLUBILITY(ies):	Insoluable
MELTING/FREEZING POINT:	>1050°C(1922°F)	PARTITION COEFFECIENT: N-OCTANOL/WATER:	NA
FLASH POINT:	NA	AUTOIGNITION TEMPERATURE:	Not Self Igniting
EVAPORATION RATE:	NA	DECOMPOSITION TEMPERATURE:	NA
FLAMMABILITY (SOLID, GAS):	Not Flammable	VISCOSITY:	NA

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	No dangerous reaction known under normal conditions of use.
CHEMICAL STABILITY:	No decomposition if used and stored according to specifications
POSSIBLE HAZAROUS REACTIONS:	Reacts with acids, alkalis and oxidizing agents
CONDITIONS TO AVOID:	Not Determined
INCOMPATIBLE MATERIALS:	None Known
HAZARDOUS DECOMPOSITION PRODUCTS:	None known under normal use.

SECTION 11: TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: None

SKIN CONTACT: None

EYE CONTACT: None

INGESTION: None

NUMERICAL MEASURES OF TOXICITY:

NAME	DESCRIPTION	VALUE
ACUTE TOXICITY	None	
SKIN CORROSION/IRRITATION	None	
SERIOUS EYE DAMAGE/IRRITATION	None	
SKIN SENSATION	None	
RESPIRATORY SENSATION	None	
GERM CELL MUTAGENICITY	None	
CARCINOGENICITY	None	
REPRODUCTIVE AND/OR DEVELOPMENTAL EFFECTS	None	
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE	None	
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE	None	
ASPIRATION HAZARD	None	

ADDITIONAL TOXICOLOGICAL INFORMATION:

Copper metal has no serious toxicity. The most common adverse effect associated with copper is the acute inhalation of copper fume during refining or welding or of fine copper dust. Inhalation of copper fume or dust may result in metal fume fever, which is characterized by upper respiratory irritation, chills, metallic or sweet taste, nausea, and aching muscles. Attacks usually begin 1 – 4 hours after exposure and last only some hours up to two days. Prolonged inhalation of fumes or dust may cause discoloration of the skin and hair. Nausea and vomiting may result if large amounts of copper are ingested. This is probably due to the conversation of the swallowed metal copper to its irritating salts. It is unlikely that poisoning by ingestion would progress to a serious point because small amounts induce vomiting. High airborne concentrations of copper dust or powder may cause mechanical irritation of the eyes.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY:	Not Determined
PERSISTENCE AND DEGRADABILITY:	Not Determined
BIOACCUMULATIVE POTENTIAL:	Not Determined
MOBILITY IN SOIL:	Not Determined
OTHER ADVERSE EFFECTS:	Do not allow product to reach ground water, water course or sewage system.

SECTION 13: DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL METHOD:

This product, as manufactured in its present state, is not considered to be a hazardous waste according to 40CFR 261.4(b)(4). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This product should be recycled if possible, otherwise it should be disposed of in accordance with all applicable federal, state, and local regulations.

Do not discard into any sewers, on the ground or any bodies of water.

CONTAMINATED CONTAINER OR PACKAGING:

Dispose of spent containers and packaging in accordance with all federal, state, regional and/or local regulations.

EPA HAZARDOUS WASTE NUMBER RCRA HAZARD CLASS:

SECTION 14: TRANSPORT INFORMATION

UN NUMBER:	Not Regulated for transport
UN PROPER SHIPPING NAME:	Not Applicable
TRANSPORT HAZARD CLASS(es):	Not Applicable
PACKING GROUP NUMBER:	Not Applicable
ENVIRONMENTAL HAZARDS:	Not Determined
TRANSPORT IN BULK:	Not Regulated
SPECIAL PRECAUTIONS FOR USER:	None Specified

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA): The product listed on this SDS, or all of its components, is listed under TSCA SARA TITLE III, SECTION 313: The following ingredients are subject to the reporting requirements of section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 CFR Part 372: AS LISTED

SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTINGS):

7440-50-8 copper

1344-28-1 aluminium oxide

CLEAN AIR ACT (CAA): The following ingredients appear on the list of Hazardous Air Pollutants (HAP-42 USC 7412, Title I, Part A, p112): NONE

CLEAN WATER ACT (CWA): The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): NONE

CALIFORNIA PROPOSITION 65: The following ingredients appear on the Proposition 65 list: NONE

CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS): This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

DOMESTIC SUBSTANCES LIST (DSL): The product on this SDS, or all of its components, is included in the DSL.

CANCEROGENICITY CATEGORIES

EPA (Environmental Protection Agency)

7440-50-8 copper D

7440-42-8 boron I

TLV (Threshold Limit Value established by ACGIH)

1344-28-1 aluminium oxide A4

MAK (German Maximum Workplace Concentration)

1344-28-1 aluminium oxide 2

NIOSH-Ca (National Institute for Occupational Safety and Health)

12070-12-1 tungsten carbide

SECTION 16: OTHER INFORMATION

DISCLAIMER: TO THE BEST OF OUR KNOWLEDGE THE INFORMATION IN THIS SAFETY DATA SHEET (SDS) IS BELIEVED TO BE CORRECT AS OF THE DATE ISSUED. USERS ASSUMES ALL RISKS INCIDENTS TO THE USE OF THIS PRODUCT. USER IS RESPONSIBLE FOR DETERMINING WHETHER THIS PRODUCT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR USER'S APPLICATION. IT IS ESSENTIAL THAT THE END USER EVALUATE THIS PRODUCT TO DETERMINE WHEATHER IT IS FIT FOR USE FOR A PARTICULAR END USER APPLICATION. WE CANNOT GUARANTEE THAT THE HAZARDS LISTED IN THIS SDS ARE THE ONLY ONES THAT EXIST.

AMERICAN WELDQUIP, INC. ASSUMES NO LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.