

MATERIAL SAFETY DATA SHEET

NOT APPLICABLE

SEE SECTION X

ANY PART LISTED AS CARCINOGENS (NTP,IARC,OSHA)

PAGE 1 OF 3

SPEC/MSDS NUMBER

DATE

58410

1/4/2011

(Review Date: 1/4/11)

PRODUCT IDENTIFICATION						
TRADE NAME	GENERIC NAME					
LINOTYPE SHOT FOR HYDROMETALS	LINOTYPE SHOT FOR HYDROMETALS					
MANUFACTURER'S NAME	CAS NUMBER					
BELMONT METALS INC.	SEE BELOW					
ADDRESS (STREET)	PHONE NUMBER (EMERGENCY)					
330 BELMONT AVE.	718-342-4900					
CITY STATE ZIP	CHEMICAL STRUCTURE					
BROOKLYN, NEW YORK 11207						
Brookers,						

TIN		7440-31-5	4.25	2.0 INORGANICS	2.0 INORGANICS			
1111				EXCEPT AS OXIDES	EXCEPT AS OXIDES			
*LEAD		7439-92-1	84.15	0.15	0.05			
*ARSENIC		7440-38-2	.15 MAX.	0.1	001.			
II • PHYSICAL DATA								
BOILING	R PRESSURE APPLICABLE	MELTING POINT 463° F.						
1101711121011212	R DENSITY (AIR=1)	PERCENT VOLATILE EVAPORATION RATE (=1)						
- COCCODICION OF THE COCCO	APPLICABLE	NOT APPLICABLE NOT APPLICABLE						
NOT. APPLICABLE NOT APPEARANCE AND ODOR	AFFLICABLE	1 1017411	·					
GRAY METALLIC – NO ODOR								
III ● FIRE AND EXPLOSION DATA								
FLASH POINT		AMMABLE LIMITS	LEL.		UEL			
NOT APPLICABLE NOT AP								
EXTINGUISHING MEDIA SAND, DRY	CHEMICAL, OR CO2 S	SHOULD BE US	SED ON SU	IRROUNDING FIRE	E. DO NOT USE			
WATER ON FIRE WHERE MOLTEN	METAL IS PRESENT.				E SELE CONTAINED			
SPECIAL FIREFIGHTING PROCEDURES (JSE FULL BODY PRO	TECTIVE CLOT	THING AND	FULL FACE PIEC	E, SELF CONTAINED			
BREATHING APPARATUS OPERAT	ED ON POSITIVE PRI	ESSURE MODE						
LINUSUAL FIRE OR EXPLOSION HAZARDS MOLTEN METALS PRODUCE FUME, VAPOR, AND OR DUST, HAT MAY BE								
TOXIC AND/OR RESPIRATORY IRR	RITANTS. METAL REA	CTS WITH OXI	DIZING AC	BENTS.				
		H HAZARD INFOR						
	IV • HEALT HAZARD BY ROUTES OF E	XPOSURE (Indicat	e chronic and	acute)				
INITIAL ATTION AND OR FILM	E MAY BE IRRITATIN	G TO THE RES	PIRATORY	SYSTEM AND CA	N RESULT IN			
INHALATION VAPOR AND/OR FUME MAY BE IRRITATING TO THE RESPIRATORY SYSTEM AND CAN RESULT IN								
BOTH ACUTE AND CHRONIC OVEREXPOSURE. INGESTION DUST VAPOR AND/OR FUME MAY BE ABSORBED BY THE DIGESTIVE SYSTEM AND CAN RESULT IN BOTH								
INGESTION DUST VAPOR AND/OR FUME MAY BE ABSORBED BY THE DIGESTIVE STSTEM AND CANTRESOLT IN BOTT								
ACUTE AND CHRONIC OVER EXPOSURE								
	CAUSE IRRITATION							
DUST VAPOR AND/OR FUME MAY CAUSE IRRITATION SKIN CONTACT/ABSORPTION								
DUST VAPOR AND/OR FUME MAY CAUSE IRRITATION SIGNS AND SYMPTOMS ASSOCIATED WITH EXPOSURE OVER TLV								
SEE ATTACHED								
MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED								

HEALTH HAZARD INFORMATION CONTINUED ON PAGE 2

OVER HEATING OF ALLOY CAN PRODUCE METAL FUMES A ND OXIDES. MACHINING OPERATIONS SUCH AS GRINDING, SAWING, BUFFING CAN GENERATE AIRBORNE PARTICULATE IN THE WORK AREA. THE EXPOSURE LEVELS INDICATED IN SECTION II ARE RELEVANT TO THESE AND OTHER OPERATIONS.

FOLLOWING ARE SYMPTOMS OF OVER EXPOSURE TO THE VARIOUS INGREDIENTS:

*ANTIMONY

ANTIMONY AND ITS COMPOUNDS ARE IRRITATING TO THE SKIN AND MUCOUS MEMBRANES AND ARE SYSTEMIC POISONS. EFFECTS ARE REPORTED TO INCLUDE A METALLIC TASTE IN THE MOUTH, VOMITING, COLIC, LOSS OF APPETITE AND WEIGHT, AND DIARRHEA. IN ADDITION, DERMATITIS MAY RESULT WHICH STARTS AS INFLAMMATION OF THE HAIR FOLLICLES AND CAN PROGRESS THROUGH PUS FORMATION AND SLOUGHING TO LEAVE A CONTRACTED SCAR.

CHRONIC INHALATION OF ANTIMONY TRIOXIDE IS REPORTED TO PRODUCE A REDUCTION IN WHITE BLOOD CELLS AND DAMAGE TO THE LIVER. ANTIMONY AND ITS COMPOUNDS HAVE BEEN IDENTIFIED AS SUSPECTED CANCERCAUSING AGENTS.

*ARSENIC

ARSENIC IS A CUMULATIVE POISON WHICH IS DEPOSITED IN THE LIVER, KIDNEYS, HAIR AND NAILS. INHALED ARSENIC IS EXCRETED THROUGH THE KIDNEYS AND CAN BE DETECTED IN THE URINE HOURS TO YEARS AFTER EXPOSURE. SYMPTOMS OF PERSONS WHO HANDLE SOLID ARSENIC COMPOUNDS ARE HUSKY VOICE, COUGH PERFORATION OF THE NASAL SEPTUM, ULCERATION OF THE SKIN, LOSS OF HAIR AND NAILS, WARTS AND SOMETIMES, SLOW, NON-MALIGNANT SKIN CANCERS.

*LEAD

SHORT TERM EXPOSURE- LEAD IS AN ACCUMULATIVE POISON. INHALATION EFFECTS OF EXPOSURE TO FUMES OR DUST OF INORGANIC LEAD MAY NOT DEVELOP QUICKLY. SYMPTOMS MAY INCLUDE DECREASED PHYSICAL FITNESS, FATIGUE, SLEEP DISTURBANCE, HEADACHE, ACHING BONES AND MUSCLES, CONSTIPATION, ABDOMINAL PAINS, AND DECREASING APPETITE. THE EFFECTS ARE REVERSIBLE AND COMPLETE RECOVERY IS POSSIBLE. INHALATION OF LARGE AMOUNTS OF LEAD MAY LEAD TO SEIZURES, COMA, AND DEATH.

*LEAD

LONG TERM EXPOSURE-LONG TERM EXPOSURE CAN RESULT IN BUILDUP OF LEAD IN THE BODY AND MORE SEVERE SYMPTOMS. THESE MAY INCLUDE ANEMIA, PALE SKIN, A BLUE LINE AT THE GUM MARGIN, DECREASED HANDGRIP STRENGTH, ABDOMINAL PAIN SEVERE CONSTIPATION, NAUSEA, VOMITING, AND PARALYSIS OF THE WRIST JOINT. PROLONGED EXPOSURE MAY ALSO RESULT IN KIDNEY DAMAGE. IF THE NERVOUS SYSTEM IS AFFECTED, USUALLY DUE TO VERY HIGH EXPOSURES, THE RESULTING EFFECTS INCLUDE SEVERE HEADACHE, CONVULSIONS, COMA, DELIRIUM, AND DEATH, ALCOHOL INGESTION AND PHYSICAL EXERTION MAY BRING ON SYMPTOMS. CONTINUED EXPOSURE CAN RESULT IN DECREASED FERTILITY AND/OR INCREASED CHANCES OF MISCARRIAGE OR BIRTH DEFECTS.

TIN

THE INHALATION OF INORGANIC TIN FUMES OR DUST MAY CAUSE AN APPARENT BENIGN PNEUMOCONIOSIS CALLED STANNOSIS, WHICH IS REPORTED NOT TO BE DISABLING.

XI SPECIAL INSTRUCTIONS FOR CHÉMICALS MARKED WITH AN ASTERISK (*)

THOSE CHEMICALS MARKED WITH AND ASTERISK (*) ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 IN 40 CFR PART 372.

THIS INFORMATION IS TAKEN FROM SOURCES BELIEVED TO BE RELIABLE; HOWEVER, THE MANUFACTURER MAKES NO WARRANTY AS TO THE ABSOLUTE CORRECTNESS OR SUFFICIENCY OR ANY OF THE FOREGOING OR THAT ADDITIONAL OR OTHER MEASURES MAY BE REQUIRED UNDER PARTICULAR CONDITIONS.

EMERGENCY/FIRST AID PROCEDURES									
INHALATION									
REMOVE FROM EXPOSURE. GET MEDICAL ATTENTION									
INGESTION									
GET IMMEDIATE MEDICAL ATTENTION									
EYE CONTACT	MATER OFT MEDIC	AL ATTENT	TON INMAE	DIATE! V					
FLUSH WITH COPIOUS QUANTITIES OF	WATER, GET MEDIC	ALATIENT	ION IIVIIVIEL	DIATELT					
SKIN CONTACT	A (A TED			A PROPERTY OF					
WASH THOROUGHLY WITH SOAP AND WATER									
SKIN ABSORPTION									
NOT APPLICABLE			•						
VI ● CONDITIONS FOR SAFE USE (When over TLV)									
RESPIRATORY PROTECTION									
NIOSH/MSHA APPROVED RESPIRATOR	FOR TOXIC DUST A	ND OR FUN	IE						
'EYE PROTECTION									
FACE SHIELD OR VENTED GOGGLES SH	HOULD BE WORN								
PROTECTIVE GLOVES									
GLOVES SHOULD BE WORN WHEN HAN	IDLING THIS PRODU	JCT							
OTHER PROTECTIVE CLOTHING/EQUIPMENT FULL PROTECTIVE CLOTHING (COVERALLS) SHOULD BE WORN DURING									
PRODUCT USE AND PROPERLY LAUNDERED AFTER USE									
VENTILATION REQUIREMENTS									
LOCAL VENTILATION RECOMMENDED -	- REQUIRED IF THR	ESHOLD LIN	IITS ARE E	XCEEDED					
	. VII ● REA	CTIVITY DATA	DOLIS POLYM	ERIZATION OCCU	JR				
IS MATERIAL STABLE?		VVICETIAZATA	BOOG (OL) III	NO					
YES		CONDITIONS TO AVOID							
INCOMPATIBILITY	LENT DEACTION	NOT APPLICABLE							
STRONG OXIDIZERS MAY CAUSE A VIO	LENTREACTION	NOTALL	ICABLE						
AT TEMPERATURES ABOVE MELTING F	OINT TOYIC FLIMES	OR VAPOR	S MAY BE	FMITTED					
AT TEMPERATURES ABOVE MIELTING F	OINT TOXIC TOME	JOHN WITH OIL	(0.100 (1.52						
	VIII . SPILL OR	LEAK PROCE	DURES						
STEPS TO BE TAKEN IF MATERIAL IS SPILLED OF	R RELEASED	ATERIAL SH	HOULD BE	VACUUMED O	R WET SWEPT WHEN				
VACULIMING IS NOT FEASIBLE - PART	ICULATE MATTER, S	HOULD BE	STORED IN	N DRY CONTAI	NERS FOR LATER				
. DISPOSAL DO NOT LISE COMPR	ESSED AIR AS A MI	ANS OF CL	EANING.	No. of the last of					
WASTE DISPOSAL METHOD DISPOSE C	F TOXIC SUBSTAN	CES AND HA	AZARDOUS	WASTE IN AC	CORDANCE				
WITH LOCAL, STATE, AND FEDERAL RE	GULATIONS.								
RCRA REGULATED	RCRA NUMBER		CERCULA (Superfund) REPORTABLE QUANTITY						
NO	NOT APPLICABLE .		NOT APPLICABLE		DOT NUMBER				
DOT REGULATED	DOT PROPER SHIPPIN	G NAME	DOT HAZAR		DOT ADDITION OF				
NO	NOT APPLICABLE		NOT APPI	LICABLE	NOT APPLICABLE				
	0.0000	AL DOCCALITIC	DAIC						
SPECIAL PRECAUTIONS FOR HANDLING AND STORAGE SPECIAL PRECAUTIONS SIGNS & LABELS IN WORK AREAS AND FOR CONTAMINATED									
SPECIAL PRECAUTIONS FOR HANDLING AND ST	DEOLUDED LINDED	OCHA DECI	IN WOLKIN AL	MEDICAL EX	AMINATIONS				
CONTAINERS OR EQUIPMENT MAY BE REQUIRED UNDER OSHA REGULATIONS. MEDICAL EXAMINATIONS.									
MONITORING, RECORD KEEPING AND HYGIENE FACILITIES AND PRACTICES SPECIFIED BY OSHA MAY HAVE TO BE									
MET. EMPLOYEE TRAINING PROGRAM MAY ALSO BE REQUIRED. OTHER PRECAUTIONS PRACTICE GOOD HOUSEKEEPING & PERSONAL HYGIENE PROCEDURES. NO TOBACCO,									
OTHER PRECAUTIONS PRACTICE GOOD HOUSEKEEPING & PERSONAL HYGIENE PROCEDURES. NO TOBACCO, OR FOOD IN WORK AREA. WASH THOROUGHLY BEFORE EATING OR SMOKING. AVOID INGESTION OR INHALATION.									
OR FOOD IN WORK AREA. WASH THOROUGHLY BEFORE EATING OR SMOKING. AVOID INDESTRUCTION OF THE TAKE A SHOWER AND CHANGE CLOTHES AT END OF SHIFT. DO NOT WEAR CONTAMINATED CLOTHING HOME.									
TAKE A SHOWER AND CHANGE CLOTHES AT LINE OF SHILL BO NOT WELL COMPRESSED AIR ON CLOTHING									
DO NOT USE COMPRESSED AIR ON CLOTHING. TELEPHONE NO. TITLE									
PREPARED BY	718-342-4900								
HERB DOYLE	110 042 4000								

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, THE MANUFACTURER MAKES NO WARRANTY WITH RESPECT THERETO, AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON

PAGE 3 OF 3