

S PELLETS

MSDS Number

BCPFS

National Stock Number

3455-00N008028

Product Name

S PELLETS

Manufacturer

KENNAMETAL INC

Product Identification

Product ID:S PELLETS
MSDS Date:01/01/1987
FSC:3455
NIIN:00N008028
MSDS Number: BCPFS

Responsible Party

KENNAMETAL INC
981 SOUTH
LATROBE , PA 15650
US
Emergency Phone: 800-424-9300
Cage: EO189

Contractor

KENNAMETAL, INC.
231
LATROBE, PA 15650-0231
US
412-539-5000
Cage: 85597

Ingredients

TUNGSTEN CARBIDE
CAS: 12070-12-1
RTECS: YO7250000
OSHA PEL5 MG/M3/10 STEL (W)
ACGIH TLV: 5 MG/M3/10 STEL (W)

COBALT (SARA III)
CAS: 7440-48-4
RTECS: GF8750000
Fraction By Weight: 2-25%
OSHA PEL0.1 MG/M3;AS CO
ACGIH TLV: 0.05 MG/M3;DUST 9293

TANTALUM CARBIDE (CAS # 12070-06-3) (PEL-5 MG/CUM,MFR)

ACGIH TLV: 5 MG/CUM (MFR)

TITANIUM CARBIDE (CAS # 12070-08-5) (PEL-5 MG/CUM,MFR)

NIOBIUM CARBIDE (CAS # 12069-94-2) (PEL-5 MG/CUM,MFR)

ACGIH TLV: 5 MG/CUM (MFR)

Hazards

Health Hazards Acute and Chronic:MAY CAUSE TEMPORARY OR PERMANENT RESPIRATORY DISEASE. PERMANENT RESPIRATORY DISEASE CAN LEAD TO DISABILITY OR DEATH. NONE OF THE COMPONENTS OF THIS MATERIAL HAS BEEN IDENTIFIED AS KNOWN OR SUSPECTED C ARCINOGENS.

Effects of Overexposure:OVEREXPOSURE TO THIS MATERIAL IN THE FORM OF METALLURGICAL POWDER,DUST OR MIST FROM GRINDING OR SWEEPING IS HAZARDOUS TO HEALTH. MAY CAUSE EYE,SKIN & MUCOUS MEMBRANE IRRITATION.

Medical Cond Aggravated by Exposure:CERTAIN PULMONARY & SKIN CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.

First Aid

First Aid:IN ALL CASES,GET MED ATTN IMMED.INHAL:REMOVE FROM EXP TO FRESH AIR IMMED.STOP BRTHING-GIVE ARTIFCL RESP.KEEP WARM,AT REST.SKIN:REMOVE CONTAM CLOTHES,SHOES IMMED.WASH EXP AREA W/SOAP/MILD DETERGNT,LRG AMTS H*2O 15-20 MIN.EYE:WASH IMMED W/LRG AMTS H*2O 15-20 MIN.INGEST:IF CONSCIOUS,IMMED GIVE LRG AMTS H*2O,INDUCE VOMITNG

Fire Fighting

Extinguishing Media:LOCALIZED POWDER FIRE-DRY SAND,DRY DOLOMITE,NACL OR SODA ASH

Fire Fighting Procedures:MOVE CNTNR IF POSS.COOL FIRE EXP CNTNR W/H*2O.LRG FIRE-USE UNMANNED HOSE HOLDR/MONITR NOZZ;ELSE W/DRAW,LET(SEE SUPP DATA)

Unusual Fire/Explosion Hazard:FINELY DIVIDED TUNGSTEN CARBIDE POWDR/GRINDING DUST EXPECT TO BE FIRE/EXPLO HAZ WHEN EXP TO HIGH TEMP OR (SEE SUPP DATA)

Accidental Release

Spill Release Procedures:SWEEP UP W/MINIMUM DUST GENERATION & PLACE INTO SUITABLE CLEAN,DRY CNTNRS FOR LATER DISPOSAL OR RECLAMATION. RESIDUE SHOULD BE CLEANED UP USING A HIGH-EFFICIENCY PARTICULATE FILTER VACUUM OR WET CLEAN UP. USE APPROPRIATE RESPIRATORY PROTECTION.

Handling

Handling and Storage Precautions:AVOID DISPERSN OF DUST IN AIR.FINELY DIVIDED PARTICLES,DUST,FUMES POSS FLAMMABLE/EXPLOSIVE.KEEP FROM SPARK/IGNITN SOURCE.STORE IN CLEAN,DRY,COOL AREA.

Other Precautions:WASH HANDS AFT HANDLE,BEFORE EAT/SMOKE.DONT SHAKE CLOTHES,RAGS,OTHR ITEMS TO REMOVE DUST.REMOVE DUST BY WASHING/VACUUMING.PERIODIC MEDICAL EXAMS RECM FOR PERSONS REGULARLY EXPOSED TO DUST/MIST

Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED RESPRIATOR APPROPRIATE FOR EXPOSURE OF CONCERN

Ventilation:LOCAL EXHAUST/GENERAL DILUTION TO KEEP EXPOS LEVELS

Protective Gloves:PREV CONTACT W/PROPER GLOVES/BARRIER CRM

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

Other Protective Equipment:WEAR PROPER PROT CLOTHES/EQUIP TO PREV RPTD/PRLNG SKIN CONTACT.WASH SOILED CLOTHES SEPARATE.EYE-WASH IN

IMMED WORK AREA.

Supplemental Safety and Health

SPECL FIRE FIGHT:FIRE BURN.AVOID BRTH FUME.USE SCBA W/FULL FACEPIECE

OPERATD IN PRESS-DEMAND/OTHR POSITV PRESS MODE. FIRE/EXPLO

HAZ:IGNITN SOURCES.PARTICL SIZE,AIR DISPERSN DETERMINE REACTIVTY.

MATLS TO AVOID:LEAD OXIDE.COBAIT W/AMMONIUM NITRATE&METALS/BROMINE

PENTAFLUORIDE,HYDRAZINIUM NITRATE,NITRYL FLUORIDE,ACETYLENE

Chemical Properties

Boiling Pt:B.P. Text:2870C,5198F

Spec Gravity:10-16

Solubility in Water:INSOLUBLE

Appearance and Odor:GRAY POWDER OR SOLID

Stability

Stability Indicator/Materials to Avoid:YES

TUNGSTEN CARBIDE W/CHLORINE TRIFLUORIDE,FLUORINE,NITROGEN

DIOXIDE,NITROUS OXIDE,IODINE PENTAFLUORIDE, (SEE SUPP DATA)

Stability Condition to Avoid:STABLE UNDER NORMAL TEMPERATURES &

PRESSURE

Hazardous Decomposition Products:THERMAL DECOMPOSITN MAY RELEASE ACRID

SMOKE,IRRITATING FUMES

Disposal

Waste Disposal Methods:THIS IS A VALUABLE MATERIAL THAT SHOULD BE SENT

TO AN APPROPRIATE RECLAMATION FACILITY IF AVAILABLE. IF MATERIAL

CANNOT BE SENT TO RECLAMTION FACILITY,DISPOSAL SHOULD BE MADE IN

COMPLIANCE W/FEDERAL,S TATE & LOCAL ENVIRONMENTAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department

of Defense. The United States of America in no manner whatsoever,

expressly or implied, warrants this information to be accurate and

disclaims all liability for its use. Any person utilizing this

document should seek competent professional advice to verify and

assume responsibility for the suitability of this information to their

particular situation.