ISSUED DATE : Jun.15,2016

REVISED DATE: -

Protection for firefighters : Wear self-contained breathing apparatus and full protective gear. During a fire irritating and highly toxic gases (carbon monoxide) may be generated by thermal decomposition or combustion. Extinguish the fire form the windward.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Keep personnel away except for authorized ones from spillage area by stretching ropes.Wear proper equipment and avoid contact with skin and inhalation.
Do not absorb/collect the spill downwind.

Environmental precautions : Prevent spills from entering sewers, watercourses or lower area and prevent from affecting enviroment.
Absorb or collect the spill according to the disposal rules.

Methods and materials for contaminant and cleaning up :
Collect it using a vacuum cleaner or dust collection equipment.
Absorb or collect the spill according to the disposal rules.

7. HANDLING AND STORAGE

Handling: %Avoid skin contact and inhalation of dust.
%Remove dust on work clothing using dust collection equipment etc.
%Wash mouth and hands etc. after handling.
%Avoid prolonged or frequently repeated exposure.
%Pregnant women must avoid exposure.

Storage : ・Store in a dry place.
%Keep away from heat, steam pipe and sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control : Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Facilities storing or utlizing these materials should be equipped with an eyewash and a safety shower.
Install a measuring instrument and a detector for flammable gases, toxic gases, if necessary.

Chemical name	OSHA PEL	ACGIH TLV
		TWA
Graphite(synthetic)	15mg/m^3 (T) 5mg/m^3 (R)	2mg/m^3 (R)
Tin sulfide	2mg(Sn)/m^3	2mg(Sn)/m^3
Antimony sulfide	0.5mg(Sb)/m^3	0.5mg(Sb)/m^3
Zirconium oxide	5mg(Zr)/m^3	5mg(Zr)/m^3 10mg(Zr)/m^3 (STEL)
Mica	20mppcf	3mg/m^3 (resp.)
Barium sulfate	15mg/m^3 (T) 5mg/m^3 (R)	5mg/m^3 (T)
Calcium hydroxide	15mg/m^3 (T) 5mg/m^3 (R)	5mg/m^3 (T)