






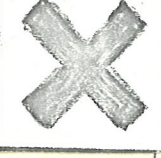


WAC 1891

Scheme for Disposal
of Waste Materials

GENERAL SCHEME FOR DISPOSAL OF WASTE MATERIALS FROM P1 VIA SAFETY SECTION

TYPE OF MATERIAL	DANGER SYMBOL	TYPICAL EXAMPLES OF WASTE MATERIALS FROM P1	PRECAUTIONS TO BE TAKEN BEFORE DISPOSAL:-	NOTE:
EXPLOSIVES (SOLID)		Propellant ingredients (powders):- NC, NC/NG pastes, RDX	RDX (AND PROPELLANT CONTAINING RDX) MUST BE DROWNED IN WATER - NC AND NC PASTE THOROUGHLY WETTED AND BAGGED	Water will be removed from RDX by Safety Section
EXPLOSIVES (LIQUID)		Nitroglycerine (NG), casting liquids and other nitroplasticisers	ALL (ESPECIALLY NG) MUST BE GENEROUSLY DILUTED WITH TRIACETIN/DBP AND ABSORBED INTO DRY SAWDUST	LABEL "NG CONTAMINATED - KEEP DRY", may include paper, rags and plastic
PROPELLANT (SCRAP)		(a) Reject material from solvent, extruded DB and cast DB processes (b) Discarded pieces and machine swarf from charge machining and lab tests	PREFERABLY KEEP UNDER WATER - BUT MAY BE STORED AND MOVED DRY WHEN BAGGED AND BOXED MACHINE SWARF MUST BE KEPT UNDER WATER. PIECES MAY BE TRANSPORTED DRY WHEN BOXED	SWARF FROM ALUMINIUM CONTAINING PROPELLANT AND ALL YELLOW BAND AND RDX MATERIAL MUST BE KEPT IN AMPLE WATER (DROWNED)
EXPLOSIVE OR PROPELLANT CONTAMINATED MATERIAL		(a) Rags, paper, plastic gloves, tubing etc (b) Metal plant components (c) Machine coolants and oil (d) PROCESS SOLVENTS (AND WATER)	LABEL EXPLOSIVE CONTAMINATED - FOR BURNING CLEAN CAREFULLY DURING REMOVAL LABEL "EXPLOSIVE CONTAMINATED" ADD TRIACETIN OR PHTHALATE PLASTICISER TO CONTAMINATED SOLVENT (SEE BELOW)	May be deposited with NG sawdust } See operating instructions for detailed advice
TOXIC (POISONOUS) CHEMICALS		(a) LEAD COMPOUNDS AND pNMA (propellant ingredients) (b) Chlorinated solvents	SEAL INTO LABELLED POLYTHENE BAGS FOR DISPOSAL BY SAFETY SECTION STORE IN CLOSED BOTTLE - SEPARATE FROM FLAMMABLE SOLVENTS	DO NOT POUR LEAD COMPOUNDS DOWN SINKS OR DRAINS! DO NOT TEST BY SMELL - SOLVENTS CONTAINING CHLORINE CAN DEGRADE TO POISONOUS PHOSGENE GAS
 (a) OXIDISING & (b) CORROSIVE CHEMICALS		(a) Ammonium perchlorate (a) and (b) Nitric acid (conc and fuming) (b) Strong acids and alkalies, P ₂ O ₅ , quick-lime	SEGREGATE FROM PAPER, RAGS ETC } CAREFULLY SLAKE (lime and P ₂ O ₅ drying agent) } OR DILUTE WITH WATER FOR DISPOSAL (for large amount consult Safety Section)	WEAR SAFETY GOGGLES! Seek scientific advice before diluting any of these chemicals
 FLAMMABLE SOLVENTS		Acetone, ether, ethanol but NOT chlorinated solvents (see TOXIC CHEMICALS)	STORE FOR COLLECTION IN RUBBER/PLASTIC STOPPERED DRUMS (PREFERABLY POLYTHENE DRUMS) ADD TRIACETIN OR PHTHALATE PLASTICISER IF SOLVENT IS PROPELLANT CONTAMINATED	A STEEL TO STEEL SCREWCAP COULD IGNITE ETHER VAPOUR! KEEP STOPPERED IN A WELL VENTILATED STORE
HARMLESS CHEMICALS		Sodium carbonate, calcium chloride, aluminium powder, CA, EC, ethylene glycol	SMALL AMOUNTS MAY BE WASHED AWAY OR DEPOSITED WITH DOMESTIC REFUSE	ADVISE SAFETY SECTION FOR LARGE AMOUNTS
DOMESTIC REFUSE		Empty bottles, cans, paper towels from offices, labs and process areas, tea leaves and food scraps	DEPOSIT IN BINS MARKED:- (i) Paper (ii) General domestic refuse (iii) Glass	Domestic waste is not the responsibility of Safety Section but is generally burned along with contaminated material

- I EXPLOSIVES AND EXPL CONTAMINATED WASTES ARE COLLECTED FROM CENTRAL POINTS (N581 and near N562) EACH WEEK
- II LABEL ALL EXPLOSIVE AND CHEMICAL WASTE CAREFULLY - AND DO NOT MIX SHARP GLASS WITH PAPER ETC!
- III CHECK LEGIBILITY OF MARKINGS ON ALL WASTE BINS AT REGULAR INTERVALS - DO NOT RELY ON LID MARKINGS