MSDS for Saft SP-1200 Battery

SP-1200	1.25V,	1200AH
SP-2400	1.25V,	2400AH
SP-2400(S)	2.50V,	1200AH
SP-3600	1.25V,	3600AH
SP-3600(S)	3.75V,	1200AH

Occupational S[illegible] Administration

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME: SAFT	EMERGENCY TELEPHONE NO.
ADDRESS *(Number, Street, City, State, and ZIP Code)*	
CHEMICAL NAME AND SYNONYMS: Primary Battery, Gelled Electrolyte	TRADE NAME AND SYNONYMS: Solid Power; SP-1200
CHEMICAL FAMILY: Air Depolarized Zinc Cell	FORMULA: N/A

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS		%	TLV (Units)	ALLOYS AND METALLIC COATINGS		%	TLV (Units)
PIGMENTS	NA			BASE METAL	NA		
CATALYST	NA			ALLOYS	NA		
VEHICLE	NA			METALLIC COATINGS	NA		
SOLVENTS	NA			FILLER METAL PLUS COATING OR CORE FLUX	NA		
ADDITIVES	NA			OTHERS	NA		
OTHERS	NA						

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Gelled Potassium Hydroxide Electrolyte		*
Mercury/Zinc Amalgam/Gelled Electrolyte		*

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	NA		SPECIFIC GRAVITY (H_2O=1)	NA	
VAPOR PRESSURE (mm Hg.)	NA		PERCENT, VOLATILE BY VOLUME (%)	NA	
VAPOR DENSITY (AIR=1)	NA		EVAPORATION RATE (_____ =1)	NA	
SOLUBILITY IN WATER	NA			NA	
APPEARANCE AND ODOR					

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	NA	FLAMMABLE LIMITS	NA	Lel / Uel
EXTINGUISHING MEDIA	NA			
SPECIAL FIRE FIGHTING PROCEDURES	NA			
UNUSUAL FIRE AND EXPLOSION HAZARDS	NA			

(Continued on reverse side)

(*) SEE PAGE 3

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SECTION ... HAZARD DATA

THRESHOLD LIMIT VALUE
(1)Mercury in Air: 0.05 mg/m^3 (2) Caustic Material

EFFECTS OF OVEREXPOSURE
(1) Minor; limited EXPOSURE possible only if battery broken open

EMERGENCY AND FIRST AID PROCEDURES
(1) Provide good ventilation during clean up
(2) Wash thoroughly with water

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE		

INCOMPATABILITY *(Materials to avoid)*

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR		

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
If Battery Case Broken Open: (a) Provide good ventilation. (b) Wear eye protection & rubber gloves. Avoid skin contact. (c) Seal materials in plastic bag.

WASTE DISPOSAL METHOD
Meets EPA Requirements 40CFR Parts 261.22; 261.23 & 261.24 for Non Hazardous Material. Landfill Disposal IN ACCORDANCE WITH USER AGENCY OR COMPANY STANDARD PRACTICE.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES	EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Avoid Breakage of Battery Case. In case of breakage see above.

OTHER PRECAUTIONS
Do Not Incinerate.

(*)

	NEW BATTERY	EXHAUSTED BATTERY
GELLED - KOH Electrolyte	≈ 40.7%	≈ 37.4%
KOH (as 100%)	≈ 10.2%	≈ 9.5%
Total Mercury	≈ 0.29%**	≈ 0.26%
Elemental Mercury	l.t. 0.003%	≈ 0.24%

(**) Mostly as Zinc Amalgam