SAFETY DATA SHEET
SLA BATTERIES

SECTION 1. IDENTIFICATION

Product Name/Stock Code:

F4P 0607 - 0330-8433

F4P 0612 - 0314-4498

F4P 0645 - 0287-1591

F4P 1212 - 0330-8436

F4P 1270 - 0287-1594

Recommended Use: Sealed Lead Acid Battery

Company Name: TAMCO Group

Company Address: 11675 Sw Tom Mackie Blvd, Port Saint Lucie, Fl 34987 Company Phone: 772-878-4944

SECTION 1. HAZARDS

The batteries are not hazardous when used according to the instructions of manufacturer under normal conditions. In case of abuse, there's Hazard of rupture, fire, heat, leakage of internal components, which could cause casualty loss. Abuses including but not limited to the following cases: charged for long time, short circuited, put into fire, whacked with hard object, punctured with acute object, crushed, and broken.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Composition	CAS#	Weight(%)
Lead	7439-92-1	57%
Lead Dioxide	1309-60-0	22%
Suifuric Acid	7664-93-9	14%
Other	-	7%

SECTION 4. FIRST AID MEASURES

Description of necessary first aid measures

Inhalation: Remove from exposure and move to fresh air immediately. Use oxygen if available.

Skin: Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Ingestion: Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.

SECTION 5. FIRE-FIGHTING MEASURES

Characteristics of Hazard
Dusts at sufficient concentrations can form explosive mixtures with air. Combustion generates toxic fumes.

Hazardous Combustion Products
Carbon dioxide.

Fire-extinguishing Methods and Extinguishing Media
For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

Attention in Fire-extinguishing
Wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, protective equipment, and emergency procedures

In case of rupture. Attention! Corrosive material. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions

Prevent product from contaminating soil and from entering sewers or waterways.

Methods and materials for Containment

Stop the leak if safe to do so. Contain the spilled liquid with dry sand or earth. Clean up spills immediately.

Methods and materials for cleaning up

Absorb spilled material with an inert absorbent (dry sand or earth). Scoop contaminated absorbent into an acceptable waste container. Collect all contaminated absorbent and dispose of according to directions in Section 13. Scrub the area with detergent and water; collect all contaminated wash water for proper disposal.

SECTION 7. HANDLING AND STORAGE

Handling

The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

Storage

Store in a cool, dry, well-ventilated area away from incompatible substances. Store locked up. Keep out of the reach of children.

Other Precautions

In case of rupture. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Store lead/acid batteries with adequate ventilation. Room ventilation is required for batteries utilized for standby generation. Never recharge batteries in an unventilated, enclosed space.

Work Practices

Do not remove vent caps. Follow shipping and handing instructions that are applicable to the battery type. To avoid damage to terminals and seals, do not double-stack industrial batteries.

Respiratory Protection

None required under normal handing conditions. During battery formation (high-rate charge condition),acid mist can be generated which may cause respiratory irritation. Also,if acid spillage occurs in a confined space,exposure may occur. If irritation occurs,wear a respirator suitable for protection against acid mist.

Eyes and Face

Chemical splash goggles are preferred. Also acceptable are “visor-gogs” or a chemical face shield worn over safety glasses.

Hands, Arms, Body

Vinyl coated, VC, gauntiet type gloves with rough finish are preferred.

Other Special Clothing and Equipment

Safety shoes are recommended when handing batteries. All footwear must meet requirements of EN ISO 20345:2011.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Square
Color: Black
Odor: Odorless
pH: Not applicable as supplied.
Flash Point: Not applicable unless individual components exposed.
Flammability: Not applicable unless individual components exposed.
Relative density: Not applicable unless individual components exposed.
Solubility (water): Not applicable unless individual components exposed.
Solubility (other): Not applicable unless individual components exposed.

SECTION 10. STABILITY AND REACTIVITY

Stability

The product is stable under conditions described Section 7.

Conditions to Avoid

Oxidizing agents, acid, base.

Incompatible Materials

Oxidizing agents, acid, base.

Hazardous Decomposition Products

Not Available.

Possibility of Hazardous Reaction

Not Available.

SECTION 11. TOXICOLOGICAL INFORMATION

Under normal operating conditions, the internal material will not be hazardous to your health. Only internally exposed material during production or case breakage or extreme heat (fire) may be hazardous to your health.

Inhalation: Acid mist from formation process may cause respiratory irritation
Skin contact: Acid may cause irritation, burns and/or ulceration
Eye contact: Acid may cause sever irritation, burns,cornea damage and/or blindness
Ingestion: Acid may cause irritation of mouth, throat, esophagus and stomach

Sign and Symptoms of Over Exposure:

Acute effects: Over exposure to lead may lead to loss of appetite,constipation,sleeplessness and fatigue. Over exposure to acid may lead to skin irritation,corneal damage of the eyes and upper respiratory system.
Chronic effects: Lead and its components may cause damage to kidneys and nervous system. Acid and its components may cause lung damage and pulmonary conditions.
Potential to cause cancer: The international agency for research on cancer has classified "strong inorganic acid mist containing sulfuric acid" as a category 1 carcinogen,a substance that is carcinogenic to humans. This classification does not apply to liquid forms of sulfuric acid or sulfuric acid solutions contained within a battery. Inorganic acid mist is not generated under normal use of this product. Misuse of the product,such as overcharging,may however result in the generation of sulfuric acid mist.

SECTION 12. ECOLOGICAL INFORMATION

California proposition 65:
The state of California has determined that certain battery terminals and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer and reproductive harm.
Warming: Wash hands thoroughly after handing batteries.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal method: Battery electrolyte(acid):neutralize as above for a spill, collect residue, and place in a drum or suitable container. Dispose of as hazardous waste. Do not flush lead contaminated acid to sewer.

Batteries: Send to lead smelter for reclamation following applicable federal,state and local regulations. Product can be recycled along with automotive (SLI) lead acid batteries.

SECTION 14. TRANSPORT INFORMATION

Label for conveyance: Lead acid battery Label
UN Number: UN2800
Transport hazard class(es): Class 8
Packing group: Not assigned
Marine pollutant: No

Transport information:
Lead acid battery is tested and has passed in accordance with UN manual of Tests and Criteria, Part III, subsection 38.3.
Lead acid battery according to Section 1A, 1B of PACKING INSTRUCTION 965 and Section II
of PACKING INSTRUCTION 966-967 of the 2022 IATA Dangerous Goods regulations 63st Edition may be transported. and applicable U.S. DOT regulations for the safe transport of lead acid battery.
Separate lead acid batteries when shipping to prevent short-circuiting. They should be packed in strong packaging for support during transport, ensure that the goods will not falling, dropping, and breakage, Prevent collapse of cargo piles and wet by rain.
Transport Fashion: By air, by sea, by railway, by road.

SECTION 15. REGULATORY INFORMATION

Law information

Dangerous Goods Regulations

Recommendation on the Transport of Dangerous Goods Model Regulations

International Maritime Dangerous Goods

Technical Instructions for the Safe Transport of Dangerous Goods

Classification and code of dangerous Goods

Occupational Safety and Health Act (OSHA)

Toxic Substance Control Act (TSCA)

Consumer Product Safety Act (CPSA)

Federal Environmental Pollution Control Act (FEPCA)

The Oil Pollution Act (OPA)

Superfund Amendments and Reauthorization Act TitleIII (302/311/312/313) (SARA)

Resource Conservation and Recovery Act (RCRA)

Safety Drinking Water Act (CWA)

California Proposition 65

SECTION 16. OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, TOBY makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required.