SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Lead-acid Battery** 6-FM-22

APPLICATIONS: For Stock No.23779 12V JUMP STARTER 3000AMP

Stock No.23782 12/24V JUMP STARTER 3000AMP

SUPPLIER: Draper Tools Ltd

Hursley Road
Chandlers Ford
Eastleigh
Hampshire
SO53 1YF

Draper Helpline +44 (0) 2380 494344
Opening hours 8:30-17:00 Monday – Friday.

sales@drapertools.com
www.drapertools.com

2. HAZARDS IDENTIFICATION

Explosive risk	This article does not belong to the explosion dangerous goods
Flammable risk	This article does not belong to the flammable material
Oxidation risk	This article does not belong to the oxidation of dangerous goods
Toxic risk	This article does not belong to the toxic dangerous goods
Radioactive risk	This article does not belong to the radiation of dangerous goods
Mordant risk	This article does not belong to the corrosion of dangerous goods
other risk	This article is Lead-acid Battery

3. COMPOSITION INFORMATION

Hazardous Ingredients (Chemical Name)	Concentration or concentration ranges (%)	CAS Number
Lead	81%	7439-92-1
Sulfuric acid	15%	7664-93-9
Glass Fiber	4%	65997-17-3

4. FIRST AID MEASURES

Eye

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eye-lids. Get medical aid.

Skin

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

Inhalation

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

Ingestion

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

5. FIRE FIGHTING MEASURES

Flash Point: N/A.

Auto-Ignition Temperature: N/A.

Extinguishing Media: CO_2, Dry powder, Foam

Special Fire-Fighting Procedures

Self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

Battery may vent when subjected to excessive heat-exposing battery contents.

Hazardous Combustion Products

Carbon dioxide, acid oxide, hydrogen, oxygen

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken in case Material is Released or Spilled

If the battery material is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. Wipe it up with a rubber glove and dispose of it in a plastic bag and put into an airtight container. The preferred response is to leave the area and allow the battery to cool and vapors to dissipate. Provide maximum ventilation. Avoid skin and eye contact or inhalation of vapors. Remove spilled liquid with absorbent and incinerate.

Waste Disposal Method

Dispose of in accordance with appropriate local regulations.

7. HANDLING AND STORAGE

The battery should not be opened, destroyed or incinerate, since they may leak or rupture and release to the environment the ingredients that they contain in the hermetically sealed container.

Do not short circuit terminals, or over charge the battery, forced over-discharge, throw to fire.

Do not crush or puncture the battery, or immerse in liquids.

Precautions to be taken in handling and storing

Avoid mechanical or electrical abuse. Storage preferably in cool, dry and ventilated area, which is subject to little temperature change. Storage at high temperatures should be avoided. Do not place the battery near heating equipment, nor expose to direct sunlight for long periods.

Other Precautions

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection

In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting battery cores. Respiratory Protection is not necessary under conditions of normal use.

Ventilation

Not necessary under conditions of normal use.

Other Protective Clothing or Equipment

Not necessary under conditions of normal use.

Personal Protection is recommended for venting battery

Respiratory Protection, Protective Gloves, Protective Clothing and safety glass with side shields.

9. PHYSICAL AND CHEMICAL PROPETIES

Appearance: Cuboid shape

Ref. No.: /

Odour: If leaking, will be a pungent odour.

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.

10. STABILITY AND REACTIVITY

Stability: Product is stable under conditions described in Section 7.

Conditions to avoid: Incinerate. Deform. Mutilate. Crush. Disassemble. Overcharge. Short circuit. Expose over a long period to humid conditions.

Materials to avoid: Oxidising agents, alkalis.

Hazardous Decomposition Products: Carbon dioxide, acid oxide, hydrogen, oxyge

Hazardous Polymerization: N/A.

11. TOXICOLOGICAL INFORMATION

Signs & symptoms: None, unless battery ruptures.

In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.

Inhalation: Lung irritant.

Skin contact: Skin irritant

Eye contact: Eye irritant

Ingestion: Poisoning if swallowed

Medical conditions generally aggravated by exposure: In the event of exposure to internal contents, moderate to server irritation, burning and dryness of the skin may occur, Target organs nerves, liver and kidneys.

12. ECOLOGICAL INFORMATION

Mammalian effects: None known at present.

Eco-toxicity: None known at present.

Bioaccumulation potential: Slowly Bio-degradable.

Environmental fate: Internal electrolyte may cause adverse environmental effects

13. DISPOSAL INFORMATION

Do not incinerate, such abuse can result in loss of seal leakage, and/or explosion. Dispose of in accordance with appropriate local regulations.

14. TRANSPORTATION INFORMATION

Label for conveyance: N/A

UN Number: UN2800

Packing Group: N/A

Marine pollutant: No

Proper Shipping name: Batteries, wet, non-spillable

Hazard Classification: The goods shall be complied with the requirements of Packing Instructions 872 of 62nd DGR Manual of IATA (2021 edition). And also complies with the Special Provision 238 of IMDG CODE (Amdt 39-18) Edition.

15. REGULATORY INFORMATION

Law information

Major applicable regulations for the transportation of lithium-ion cells and batteries are as follows:

The UN Model Regulations: United Nations ST/SG/AC.10/1/Rev.21. Recommendations on the Safe Transport of Dangerous Goods

The International Civil Aviation Organization (ICAO) Technical Instructions for the Safe Transport of Dangerous Goods by Air Transport

The International Air Transport Association (IATA) Dangerous Goods Regulations (61st Edition 2020)

International Maritime Organization (IMO): International Maritime Dangerous Goods Code. (Special Provision 188 and 230 of IMDG CODE (Amdt 39-18) Edition)

OSHA Hazard communication standard (29 CFR 1910)

_____ Hazardous _____√_____Non-hazard

16. OTHER INFORMATION

This information comes from reliable sources, but no warranty is made to the completeness and accuracy of information contained. We do not assume responsibility for any damage or loss because of misuse of batteries. Users should grasp the correct use method and be responsible for the use of batteries.