SAFETY DATA SHEET

According CE N°1907/2006

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Revised on : May 2019

1. PRODUCT IDENTIFICATION

Product designation : Lead-acid starter battery **Type :** All types

Additional designation : **ENERGIA References : All types**

Manufacturer : ASSAD INTERNATIONAL

Invoice date :

Type of utilisation * :

Starting, lighting, ignition of vehicles

**** Users should be aware that the use of a product for a purpose other than that for which is was designed may result in risks.***

2. IDENTIFICATION OF DANGERS

Principal dangers for man :

- Eye contact :	burns
- Skin contact :	burns
- Inhalation :	irritation of bronchial passages and larynx
- Ingestion :	burning of digestive mucous tissues
Environmental impact :	If the product is not neutralised, hazardous for flora and fauna owing to its high acidity.
Specific risks :	none

3. COMPOSITON - INFORMATION ON COMPONENTS

Chemical nature of the product : Starter lead-acid storage battery

Potentially hazardous components :

Designation	%	CAS no	Classification
Dilute sulphuric solution (electrolyte)	37	7664-93-9	8 - Corrosive product

4. FIRST AID

Eyes contact : Rinse with diphoterine, then with water.
If diphoterine is unavailable, rinse abundantly with water for 15 minutes

Skin contact : Rinse with diphoterine, then with water.
If diphoterine is unavailable, rinse abundantly with water for 15 minutes
Remove contaminated clothing.

Inhalation : Breath fresh air.

Ingestion : Do not induce vomiting.
Make the victim drink water and rinse the mouth.
Obtain medical help.

Advice to medical personnel : Make sure an eye-wash and first-aid douche is available in the workplace.

5. FIRE PREVENTION

Means of extinction :
- Co_2 powder extinguisher
- Possibly water.

Specific dangers : Possibility of formation of dangerous gas.

Protection equipment : Make sure all intervention equipment is acid-resistant.
In the presence of smoke, self-air sets should be worn.

6. MEASURE TO BE TAKEN IN THE EVENT OF ACCIDENTAL DISPERSION

Individual precautions : Wear goggles, gloves ans acid-resistant books and clothes.

Environmental protection : As a precaution, manipulate the product only in zones with retention means.
Neutralise the acid before disposal.

Méthode de nettoyage : Neutralise the acid using alkaline agents(lime, sodium carbonate, soda) then dilute by rinsing abundantly with water.
Do not use absorbent organic materials.

7. HANDLING AND STORAGE

Handling : Use the handle if any, otherwise carefully lift the container from underneath.

Precautions : The batteries contain dilute sulfuric acid.
See the User Instructions.
Prevent any risk of short-circuit between the battery terminals.

Recommandations for use : Handle with care.
Never lift batteries by their terminals.

Storage temperature :
Min. : 0°C **Max. : + 28°C**

Incompatibles materials : NC

8. INDIVIDUAL PROTECTION/CONTROL OF EXPOSURE

Control parameters : NC

Individual protection equipment : Goggles, gloves and acid-resistant clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	liquid
Colour :	colourless
Odour :	odourless
pH :	highly acidic
Boiling point/curve :	+ 110°C
Freezing point :	- 60°C
Flash point :	NC
Solubility in water (kg/m³) :	Very good
Vapour pressure (kPa) :	NC
Density (kg/m³) :	1280
Flammability :	NC
Spontaneous Ignition (°C) :	NC
Viscosity (cSt) :	NC
Flow point (°C) :	NC

10. STABILITY AND REACTIVITY

Stability :	Severe heating when diluting with water Always pour acid into water, not water into acid.
Conditions to avoid :	Contact with air (absorption of humidity), concentration by water evaporation.
Materials to avoid :	Acid reacts with metals, giving off hydrogen. Acid reacts with organic matter.
Hazardous decomposition products :	- sulphur dioxide SO_2 - sulphur trioxide SO_3

11. TOXICOLOGY INFORMATION

See the INRS toxicology no 30.

12. ECOLOGICAL INFORMATION

Mobility : NC

Persistence/degradability : NC

Bio-accumulation : NC

Ecotoxicity : If the product is not pas neutralised, hazardous for flora and fauna owing to its high acidity.

13. PRODUCT ELIMINATION

Disposal : Neutralise the acid using alkaline agents (lime, sodium carbonate, soda).
Dispose ot the neutralised acid, respecting current regulations.
Batteries should be disposed off separately with a view to recycling.

Soiled packaging materials : Neutralise the acid and rinse the materials before disposal.

14. TRANSPORT

EMS : F-A,S-B

Official product name : Batteries, wet, filled with acid
Sea mentions : UN 2794, batteries, wet, filled with acid electric storage, 8

ONU transport code no. 2794

	(FRANCE) R.T.M.D.R	EUROPE RID/ADR	Sea IMDG	Air OACI/IATA
Class	NC	NC	8	8
Groupe, digits or page	NC	NC	Page code IMDG :8230	Page code III
Label (s)	NC	NC	Corrosive	Corrosive
Danger code	NC	NC	NC	NC
Material code	NC	NC	NC	NC

NOTE : Packaging amount

Passenger aircraft : 25 kg per package

Cargo aircraft : unilimited

15. INFORMATIONS REGLEMENTAIRES

Symbols :

- no smoking

Health :

- wear eye protection

Physical and chemical properties :

Environment : Do not discharge without neutralisation

R Phrases : Cause serious burns

S Phrases : Keep out of reach of children
In the event of contact with the eyes, wash immediately and abundantly with water.
Seek medical assistance.
Never pour water into this product.

16. OTHER INFORMATIONS

NC

NOTA : NC = No concern