SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product name: Cellpower Valve Regulated Lead-Acid Rechargeable battery
Company: Intercel BV
Address: Waarderveldweg 3, 2031BK Haarlem, The Netherlands
E-mail: Sales@intercel.nl
Tel: +31 23 51 49 900
Fax: +31 23 53 22 583
Emergency number: +31 23 51 49 900

SECTION 2: INFORMATION ON INGREDIENTS

Product name: Valve Regulated Lead-Acid Rechargeable battery

Ingredient	CAS No.	Concentration	Hazardous Label
Inorganic Lead/Lead Compounds	7439-92-1	~ 72%	T
Sulfuric Acid	7664-93-9	~ 20%	C
Fiberglass Separator	65997-17-3	~ 2%	/
Container Plastic (ABS or PP)	9003-56-9 (ABS)	~ 5%	/
	9003-07-0 (PP)		/

SECTION 3: HAZARDS IDENTIFICATION

Hazards Identification:
The battery has passed the vibration test, pressure differential test and leakage test at 55˚C according to Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulation Rev 24 SPECIAL PROVISION 238. It is not restricted to IATA Dangerous Goods Regulation (DGR) 67th according to special provision A67.

Emergency Overview:
The internal battery materials may cause severe irritation to eyes and skin. Causes burns.

SECTION 4: FIRST-AID MEASURES

Skin Exposure:
If the internal battery materials of an opened battery cell comes into contact with the skin, immediately flush with plenty of water for at least 15 minutes. Seek immediate medical attention.

Eye Exposure:
In case of contact the electrolyte contained inside the battery with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek immediate medical attention.

Inhalation Exposure:
If potential for exposure to mist or dusts occurs, remove immediately to fresh air and seek medical attention.

Oral Exposure:
If swallowed, do not induce vomiting. Seek immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media:
Suitable: Dry chemical, Sandy soil, Carbon dioxide or appropriate foam.

Firefighting:
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific hazards:
Emit toxic fumes under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

If batteries show signs of leaking, avoid skin or eyes contact with the material leaking form the battery. Use chemical resistant rubber gloves and non-flammable absorbent materials for clean-up. Mix with inert material (e.g. dry sand, vermiculite) and transfer to sealed container for disposal.

SECTION 7: HANDLING AND STORAGE

Handling:
Keep away from ignition sources, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short circuits. Avoid mechanical or electrical abuse and overcharge. More than a momentary short circuit will generally reduce the battery service life. Avoid reversing battery polarity within the battery assembly. In case of a battery unintentionally be crushed, acid resistant gloves must be used to handle all battery components. Avoid contact with eyes, skin. Avoid inhalation. No smoking at working site. Materials to Avoid: Strong oxidant, Combustible materials and Corrosives.

Storage:
Store in a cool; well-ventilated area. Keep away from ignition sources, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short circuits. Materials to Avoid: Strong oxidant, Combustible materials and Corrosives.

SECTION 8: EXPOSURE CONTROL/PPE

Engineering Controls:
Use ventilation equipment if available. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory:	Wear government approved air-purifying respirator if needed.
Eye:	Chemical safety glasses.
Clothing:	Wear appropriate protective clothing.
Hand:	Wear acids resistant gloves.

Other Protect:
No smoking, drinking and eating at working site. Wash thoroughly after handing.

SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Black or gray plastics cement case (containing dielectric)
Odor:	Odorless
MP/MP Range:	>300
pH Value:	1~2
Solubility:	Partial soluble in water

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under normal temperatures and pressures.
Materials to Avoid:	Strong oxidant, Corrosives.
Conditions to Avoid:	Avoid exposure to heat and open flame, Avoid mechanical or electrical abuse and overcharge. Prevent short circuits. Prevent movement which could lead to short circuits.
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	Sulfur oxides, Sulfuric acid mist, Metal oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data:
Not available.

Irritation Date:
The internal battery materials may cause severe irritation to eyes and skin. Causes burns.

Carcinogenicity:
The International Agency on Cancer (IARC) has classified “strong inorganic acid mists containing sulfuric acid” as a category 1 carcinogen (inhalation), a substance that is carcinogenic to humans. This classification does not apply to the sulfuric acid contained within the battery. Misuse of the product, such as overcharging, may result in the generation of sulfuric acid mish at high levels.

SECTION 12: ECOLOGICAL INFORMATION

Lead and its compounds can result in a threat if released into the environment.
In most surface water and groundwater, lead forms compounds with anions such as hydroxides, carbonates, sulfates, and phosphates, and precipitates out of the water column. Lead may occur as sorbed ions or surface coatings on sediment mineral particles or may be carried in colloidal particles in surface water. Most lead is strongly retained in soil, resulting in little mobility. Lead may be immobilized by ion exchange with hydrous oxides or by chelation with humic or fulvic acids in the soil. Leak (dissolved phase) is bioaccumulated by plants and animals, both aquatic and terrestrial.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of substance:
Lead-acid batteries are completely recyclable. Return whole scrap batteries to distributor, manufacturer or lead smelter for recycling. For neutralized spills, place residue in acid-resistant containers with sorbent material, sand or earth and dispose of in accordance with local, state and federal regulations for acid and lead compounds. Contact local and/or state environmental officials regarding disposal information.

SECTION 14: TRANSPORT INFORMATION

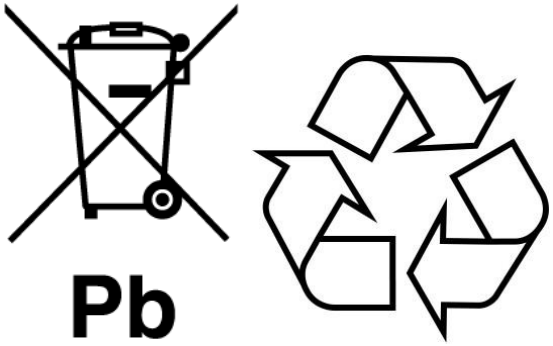
We hereby certify that all Cellpower Valve Regulated Lead-acid Rechargeable batteries conform to the UN2800 classification as “ Batteries, wet, Non-Spillable, and electric storage” as a result of passing the Vibration and Pressure Differential Test described in D.O.T., 49 CFR 173.159(f), and IMO/IMDG, ADR and ICAO/IATA packing instruction 872 and note A48, A67, A164 and A183.
The batteries are not restricted to IMO/IMDG code according to special provision 238.
The batteries are not restricted to ADR code according to special provision 238.

Cellpower Batteries having met the related conditions are EXEMPT from hazardous goods regulations for the purpose of transportation by DOT, ADR, IMDG and IATA/ICAO, and therefore are unrestricted for transportation by any means. For all modes of transportation, each battery outer package is labeled "NON-SPILLABLE". All our Batteries are marked non-spillable.

SECTION 15: REGULATORY INFORMATION

EU Regulation:

In accordance with EU2006/66/EC Battery Directive, VRLA batteries should present crossed-out wheeled bin symbol of lead together with the ISO recycling symbol. Does not contain any mercury, Hg, (<0.0005%) or cadmium, Cd, (<0.002%).



SECTION 16: OTHER INFORMATION

Legal Remark (U.S.A.)
Safety Data Sheets are a sub-requirement of the Occupational Safety and Health administration (OSHA) Hazard Communication Standard, 29 CFR Subpart 1910.1200. This Hazard Communication Standard does not apply to various subcategories including anything defined by OSHA as an "article". According to OSHA, Article means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees.
Because all of our batteries are defined as "articles", they are exempted from the requirements of the Hazard Communication Standard.

Legal remark (EU)
These batteries are no “substances” or “mixtures” according to Regulation (EC) No 1907/2006 EC. Instead they have to be regarded as “articles”, no substances are intended to be released during handling. Therefore there is no obligation to supply a “safety data sheet according to Regulation (EC) 1907/2006, Article 31”.

General remark:
This Safety Data Sheet is provided as a service to our customers. The details presented are in accordance with our present knowledge and experiences. They are no contractual assurances of product attributes.