

SAFETY DATA SHEET

SDS0096UK

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name Trade Name CAS No. EINECS No.

REACH Registration No.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Uses Advised Against

1.3 Details of the supplier of the safety data sheet

Company Identification

Company identification

Telephone Fax

E-mail

Emergency telephone number

Emergency Phone No.

Solo 370

Solo 370-XXX (XXX denotes customer variant)

Mixture. Mixture.

None assigned.

Battery product. None known.

Detectortesters (No Climb Products Ltd).

Edison House.
163 Dixons Hill Road.
Welham Green.
Hertfordshire. AL9 7JE.
United Kingdom.
+44 (0) 1707 282760

+44 (0) 1707 282760 +44 (0) 1707 282777 SDS@detectortesters.com

+44 (0) 1707 282760

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)

Not classified as dangerous for supply/use. The battery is a sealed unit and therefore the ingredients present have no hazard potential except in a situation

therefore the ingredients present have no hazard potential except in a situation where the battery has been violated or dismantled.

2.2 Label elements According to Regulation (EC) No. 1272/2008 (CLP).

Hazard Pictogram(s)

Signal Word(s)

Hazard Statement(s)

Precautionary Statement(s)

Other hazards

None.

None.

2.3 Other hazards
2.4 Additional Information

There is no hazard when the measures for handling and storage are followed. In case of cell damage, possible release of dangerous substances and a spontaneous flammable gas mixture may be released. Battery content must not get in contact with water. Contact with water liberates extremely flammable gases.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

EC Classification No. 1272/2008

EC Classification No. 1272/2008										
Hazardous	%W/W	CAS No.	EC No.	REACH	Hazard Pictogram(s) and Hazard Statement(s)					
Ingredient(s)				Registration No.						
Cobalt oxide	<15	1307-96-6	215-154-6	Not available	GHS06, H301, H330; GHS08, H317, H334; GHS09, H410.					
Maganese dioxide	<15	1313-13-9	215-202-6	Not available	GHS07, H302+H332.					
Nickel Oxide	<15	1313-99-1	215-215-7	Not available	GHS07, H317, H350i, H372; GHS08, H413					
Electrolyte(*)	<15	None	None	None assigned	GHS05; GHS06, H301; GHS08, H314, H372;					

^(*) Main Ingredients: Lithium hexafluorophosphate, organic carbonates

3.2 Additional Information

During the charge process a lithium carbon intercalation phase is formed, which is highly flammable and corrosive, but not released under normal

usage.

Mercury content: Hg<0.1mg/kg
Cadmium content: Cd<1mg/kg
Lead content: Pb<10mg/kg
For full toxt of H/P statements see see

For full text of H/P statements see section 16.

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Revision: 2 Page: 1/4 Date: 07/10/2016



Unlikely route of exposure. Inhalation

Electrolyte leakage: Remove to fresh air immediately. Seek medical treatment. Skin Contact

Unlikely route of exposure.

Electrolyte leakage: After contact with skin, take off immediately all contaminated

clothing, and wash immediately with plenty of water.

Eye Contact Unlikely Rroute of exposure.

Electrolyte leakage: Flush eyes with water for at least 15 minutes. Seek medical

treatment.

Unlikely route of exposure. Ingestion

Electrolyte leakage: Make victim drink plenty of water. Do not induce vomiting.

Seek medical treatment.

4.2 Most important symptoms and effects, both

acute and delayed

Indication of any immediate medical attention

and special treatment needed

None anticipated. Electrolyte leakage Can cause damage to the eyes and skin.

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media Unsuitable extinguishing media

5.2 Special hazards arising from the substance or

mixture

4.3

6.2

7.2

7.3

5.3 Advice for fire-fighters Extinguish preferably with dry chemical or sand.

Water

Hazardous decomposition product(s) include: Hydroflouric acid (upon contact with water), Hydrogen fluoride (HF) gas, Carbon monoxide and Carbon dioxide. In case of major fire and large quantities: A self contained breathing apparatus

should be worn.

If possible, remove cell(s) from fire fighting area. If heated above 125°C, cell(s) can explode/vent. Cell is not flammable but internal organic material will burn if the cell is incinerated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment

and emergency procedures Environmental precautions

6.3 Methods and material for containment and

cleaning up

Reference to other sections

Use PPE. Avoid contact with skin, eyes or clothing. Avoid breathing fumes.

Prevent entry into drains.

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a

container for disposal. See Also Section: 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling Avoid mechanical damage to the cell. Do not open or disassemble.

Do not throw batteries in water. Keep away from: Children

Conditions for safe storage, including any incompatibilities

Storage temperature

Storage life

Incompatible materials Specific end use(s)

Avoid overheating. Keep away from open flames, heat and sources of ignition.

Ambient

Stable under normal conditions.

None anticipated. Battery product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters Under normal conditions of battery use, internal components will not present a

health or environmental hazard.

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Cobalt oxide	1307-96-6	-	0.1	-	-	WEL,Sen
Manganese dioxide	1313-13-9	-	0.5	-	-	WEL
Nickel oxide	1313-99-1	-	0.5	-	-	WEL,Carc
Lithium hexaflourophosphate	21324-40	-	2.5	-	-	WEL,Corr
Carbon	7440-44-0	-	10	-	-	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological limit value

Exposure controls 8.2

8.2.1 Appropriate engineering controls 8.2.2 Personal protection equipment

Eye/ face protection

Not established.

Provide adequate ventilation.

Not normally required.

Electrolyte leakage: Wear eye/face protection.

Date: 07/10/2016 Revision: 2 Page: 2/4





Skin protection (Hand protection/ Other)

Not normally required.

Electrolyte leakage: Wear impervious gloves (EN374).

THE PROPERTY OF THE PROPERTY O

Respiratory protection

No personal respiratory protective equipment normally required.

Electrolyte leakage: Wear suitable respiratory protective equipment.

Thermal hazards Not applicable.

8.2.3 Environmental Exposure Controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Solid. Colour Not applicable. Odour Odourless. Odour threshold Not applicable. Not determined. Melting point/freezing point Not applicable. Initial boiling point and boiling range Not applicable. Flash Point Not applicable. Evaporation rate Not applicable.

Flammability (solid, gas)

Upper/lower flammability or explosive limits

Vapour pressure

Density

Vapour density

Not applicable.

Vapour density

Not applicable.

Partition coefficient: n-octanol/water Not applicable.
Auto-ignition temperature Not applicable.
Decomposition Temperature Not applicable.
Kinematic Viscosity Not applicable.

Explosive properties Not explosive when used as intended. Oxidising properties Not oxidising when used as intended.

SECTION 10: STABILITY AND REACTIVITY

10.1ReactivityStable under normal conditions.10.2Chemical stabilityStable under normal conditions.

10.3 Possibility of hazardous reactionsNo hazardous reactions known if used for its intended purpose.

 10.4
 Conditions to avoid
 Do not heat the product.

 10.5
 Incompatible materials
 Stable under normal conditions.

10.6 Hazardous decomposition product(s) No hazardous decomposition products known when used as intended.

SECTION 11: TOXICOLOGICAL INFORMATION]

Unlikely to cause harmful effects under normal conditions of handling and use.

11.1 Information on toxicological effects

 Acute toxicity
 Low acute toxicity.

 Skin corrosion/irritation
 Non-irritant.

 Serious eye damage/irritation
 Not classified.

Respiratory or skin sensitization It is not a skin sensitiser.

Germ cell mutagenicityThere is no evidence of mutagenic potential. **Carcinogenicity**No evidence of carcinogenicity.

Reproductive toxicity

None anticipated.

STOT - single exposure

Not classified

STOT - single exposure Not classified.
STOT - repeated exposure Not classified.
Aspiration hazard None anticipated.

11.2 Other information None.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity Under normal conditions of battery use, internal components will not present a

health or environmental hazard.

12.2 Persistence and degradability Not applicable.

Revision: 2 Page: 3/4 Date: 07/10/2016



12.3 Bioaccumulative potential Not applicable.
12.4 Mobility in soil Not applicable

12.5 Results of PBT and vPvB assessment Not classified as PBT or vPvB.

12.6 Other adverse effects Do not flush spilt material into any public water system.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
 13.2 Consult an accredited waste disposal contractor or the local authority for advice.
 Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1UN numberUN 3480, UN3481.14.2UN proper shipping nameBatteries, Lithium Ion.

14.3 Transport hazard class(es)

Not applicable. **IMDG** Not applicable. IATA UN 3480, UN 3481. DOT Not applicable. 14.4 Packing group Not applicable. 14.5 **Environmental hazards** Not applicable. 14.6 Special precautions for user Not applicable. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code 14.7 Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the

substance or mixture

15.1.1 EU regulations

Authorisations and / or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation

REACH: ANNEX XVII restrictions on the manufacture, placing on the market and use

of certain dangerous substances, preparations and articles

REACH: ANNEX XIV list of substances subject to authorisation

Community Rolling Action Plan (CoRAP)

15.1.2 National regulations

VOC-CH VOC-EU

15.2 Chemical Safety Assessment

All chemicals are not listed. All chemicals are not listed.

All chemicals are not listed. All chemicals are not listed.

None known.

0% 0%

Not applicable.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 10, 11.

LEGEND

LTEL Long Term Exposure Limit.

STEL Short Term Exposure Limit.

DNEL Derived No Effect Level.

PNEC Predicted No Effect Concentration.
PBT Persistent, Bioaccumulative and Toxic.
vPvB very Persistent and very Bioaccumulative.

VOC Volatile Organic Compounds.

Hazard Statement(s)

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H330 Fatal if swallowed.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H350i May cause cancer by inhalation.

H372 Causes damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

Disclaimers

The information is based on the best knowledge of No Climb Products Ltd. and its advisors and is given in good faith, but we cannot guarantee its accuracy, reliability or completeness and therefore disclaim any liability for loss or damage arising out of use of this data. Since conditions of use are outside the control of the Company and its advisors we disclaim any liability for loss or damage when the product is used for purposes other than it is intended.

Annex to the extended Safety Data Sheet (eSDS)

No information available

Revision: 2 Page: 4/4 Date: 07/10/2016