Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.09.2011 version no: 1 Revision: 23.09.2011

1 Identification of the substance/mixture and of the company/undertaking

· **Product identifier**

· **Trade name:Firstcall Acetic Acid Stop**

· **Article number:** FIRSB1L
· **Relevant identified uses of the substance or mixture and uses advised against**
· **Application of the substance / the preparation** Chemicals for synthesis

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**

Firstcall Photographic Limited
Cherry Grove Rise
West Monkton
TA2 8LW Taunton Somerset
United Kingdom
www.firstcall-photographic.co.uk
Tel: ++44 (0) 1823413007
Fax: ++44 (0) 1823413103

· **Further information obtainable from:** Department environment and safety. info@firstcall-photographic.co.uk
· **Emergency telephone number:** Poison Information Centre Berlin (Germany): +49 (0) 30 - 30686 790

2 Hazards identification

· **Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**

GHS05 corrosion

Skin Corr. 1AH314Causes severe skin burns and eye damage.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

C; Corrosive
R34:Causes burns.

· **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
· **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**

GHS05

· **Signal word** Danger
· **Hazard statements**
H314Causes severe skin burns and eye damage.

(Contd. on page 2)

(Contd. of page 1)

· **Precautionary statements**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**			
CAS: 64-19-7 EINECS: 200-580-7	acetic acid	C R35 R10 Flam. Liq. 3, H226; Skin Corr. 1A, H314	60%
CAS: 7732-18-5 EINECS: 231-791-2	water		40%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· **Description of first aid measures**
· **General information:**
Immediately remove any clothing/shoes soiled by the product.
Take affected persons out into the fresh air.
· **After inhalation:**
In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:**
Do not induce vomiting; call for medical help immediately.
Drink plenty of water and provide fresh air. Call for a doctor immediately.
· **Information for doctor:**
Hinweise in der GESTIS Gefahrstoffdatenbank: http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp

5 Firefighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **Special hazards arising from the substance or mixture**
Nitrogen oxides (NOx)
Carbon monoxide (CO)

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.09.2011 version no: 1 Revision: 23.09.2011

Trade name:Acetic acid 60%

(Contd. of page 2)

Sulphur dioxide (SO2)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
· **Advice for firefighters**
· **Protective equipment:** Do not inhale explosion gases or combustion gases.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Wear protective clothing.
· **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Pick up mechanically.
Ensure adequate ventilation.
· **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

· **Handling:**
· **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
· **Information about fire - and explosion protection:** Protect from heat.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
· **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
· **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Store under lock and key and out of the reach of children.
Recommended storage temperature: 5-25°C

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **Additional information:** The lists valid during the making were used as basis.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.09.2011 version no: 1 Revision: 23.09.2011

Trade name:Acetic acid 60%

(Contd. of page 3)

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
· **Respiratory protection:**
required at the appearance from fumes/vapours/aerosol. Filter ABEK
Ensure adequate ventilation
· **Protection of hands:**


Protective gloves

Impervious gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Butyl rubber, BR
Nitrile rubber, NBR
Neoprene gloves
· **Penetration time of glove material**
Gove material: Butyl rubber with breakthroug-time: ≥ 480 min, layer thickness: ≥0,4 mm
Gloves made of nitrile rubber with layer thickness >0,38mm and breakthrough-time >480min
Glove material: Neopren with breakthrough time: >240 min, layer thickness: >0,65 mm
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**


Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**
· **General Information**
· **Appearance:**

Form:	Fluid
Colour:	According to product specification
· **Odour:**	Recognizable

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.09.2011 version no: 1 Revision: 23.09.2011

Trade name:Acetic acid 60%

(Contd. of page 4)

· **pH-value at 20°C:** 1.5

· **Change in condition**
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: > 100°C

· **Flash point:** Not applicable.

· **Ignition temperature:** 485°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**
Lower: 4.0 Vol %
Upper: 17.0 Vol %

· **Vapour pressure at 20°C:** 23 hPa

· **Density at 20°C:** 1.065 g/cm³

· **Solubility in / Miscibility with water:** Fully miscible.

· **Solvent content:**
Organic solvents: 60.0 %
Water: 40.0 %

10 Stability and reactivity

· **Reactivity**
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:** Stable at environment temperature.
· **Possibility of hazardous reactions** Reacts with acids, alkalis and oxidizing agents.
· **Incompatible materials:** Under certain fire conditions, traces of other toxic gases cannot be excluded.
· **Hazardous decomposition products:** Irritant gases/vapours

11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**
· **LD/LC50 values relevant for classification:**
64-19-7acetic acid
Oral LD503310 mg/kg (rat)
Dermal LD501130 mg/kg (rabbit)
· **Primary irritant effect:**
· **on the skin:** Caustic effect on skin and mucous membranes.
· **on the eye:** Strong caustic effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Corrosive

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.09.2011 version no: 1 Revision: 23.09.2011

Trade name:Acetic acid 60%

(Contd. of page 5)

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological information

· **Toxicity**
· **Acquatic toxicity:**
64-19-7acetic acid
LC5024h: >100 mg/l (daphnia magna)
96h: >1000 mg/l (fish)
96h: 75 mg/l (Lepomis macrochirus)
24h: 106 mg/l (Pimephales promelas)
· **Persistence and degradability** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Must not reach sewage water or drainage ditch undiluted or unneutralized.
Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
· **European waste catalogue**
07 07 99wastes not otherwise specified
16 03 05*organic wastes containing dangerous substances

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** 8 (C3) Corrosive substances.
· **Danger code (Kemler):** 80
· **UN-Number:** 2790
· **Packaging group:** II
· **Hazard label:** 8

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

(Contd. of page 6)

· **UN proper shipping name:** 2790 ACETIC ACID SOLUTION
· **Tunnel restriction code** E

.
Maritime transport IMDG:

· **IMDG Class:** 8
· **UN Number:** 2790
· **Label** 8
· **Packaging group:** II
· **EMS Number:** F-A,S-B
· **Marine pollutant:** No
· **Segregation groups** Acids
· **Proper shipping name:** ACETIC ACID SOLUTION

.
Air transport ICAO-TI and IATA-DGR:

· **ICAO/IATA Class:** 8
· **UN/ID Number:** 2790
· **Label** 8
· **Packaging group:** II
· **Proper shipping name:** ACETIC ACID SOLUTION

· **UN "Model Regulation":** UN2790, ACETIC ACID SOLUTION, 8, II
· **Special precautions for user** Warning: Corrosive substances.

15 Regulatory information

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H226Flammable liquid and vapour.
H314Causes severe skin burns and eye damage.

R10 Flammable.
R35 Causes severe burns.

· **Department issuing MSDS:** Department product safety

· **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

(Contd. of page 7)

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

· *** Data compared to the previous version altered.**