1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

PRODUCT AND COMPANY IDENTIFICATION:

SUBSTANCE IDENTIFICATION: Potassium Bitartrate L (+)

Synonyms: Cream of Tartar, Potassium Hydrogen Tartrate, Potassium Bitartrate

USES OF THE SUBSTANCE: Ph regulator and tartaric stabilizer in production of wines and as leavening agent for baking powder specially.

USES ACCORDING TO REACH REGISTRATION: Ph regulating agent, fillers, putties, plasters, modelling clay, hydraulic fluids, processing aids such as pH-regulators, flocculants, precipitants, neutralization agents, laboratory chemicals, lubricants, greases, release products, photo-chemicals, water softeners, water treatment chemical, extraction agents, metal surface treatment products, explosives, metal working fluids, paper and board treatment products, plant protection products, polishes and wax blends, textile dyes, and impregnating products, welding and soldering products, flux products, ink and toners, perfumes and fragrances, pharmaceuticals, washing and cleaning products, cosmetic and personal care products.

Company name:
Nexchem Ltd
Unit 3 Barshaw Park
Leycroft Road
Leicester
LE4 1ET
Tel: 0116 2311130
24/7 Emergency Tel: 0800 246 1274
Email: sales@nexchem.co.uk

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

GHS classification: Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals.

Physicochemical hazards: None identified.

Hazards for human: None identified.

Hazards for animals and the environment: None identified.

LABEL ELEMENTS:

GHS symbol: Not classified.
No need for a pictogram, pursuant to EC REG. No. 1272/2008.

Prevention: P280: wear protective gloves, protective clothing, eye protection, face protection.
P261: Avoid breathing dust, fume, gas, mist, vapours, spray.
P262: Do not get in eyes, on skin, or on clothing.

OTHER HAZARDS: No information available.

[cont...]

3. COMPOSITION / INFORMATION ON INGREDIENTS

Potassium Bitartrate with assay similar or superior to 99.5%.

Chemical name:	Monopotassium SALT of L-2,3-dihydroxybutanedioic acid.
CAS NUMBER:	868-14-4
EINECS NUMBER:	2127691
EU No.:	E-336i. Food additive.
Molecular weight:	188.18 g/mol
Formula:	C4H5KO6

Potassium hydrogen tartrate is a naturally occurring salt of L-tartaric acid. It is an approved GRAS food additive.

4. FIRST AID MEASURES (SYMPTOMS)

FIRST AID MEASURES DESCRIPTION:

Skin contact:	In case of contact with skin, wash off immediately with plenty of water. Consult a doctor if skin irritation persists.
Eyes contact:	Rinse thoroughly with plenty of water, use alkaline eye drops and consult an ophthalmologist.
Ingestion:	In the event of an ingestion, take sodium bicarbonate in moderate doses and seek medical advice.
Inhalation:	Breathe fresh air, if necessary, use a mask and seek medical advice.

MAIN SYMPTOMS AND EFFECTS: May be irritant to eyes, skin and mucous membranes.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Call a doctor in case of exposure.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

Adequate extinguishing means:	Water under pressure. Foam. Carbonic gas. Dry powder.
Inadequate means:	No one especially remarkable is known.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

In case of fire, gas and hazardous vapours may be formed.

ADVICE FOR FIRE-FIGHTERS:

Protective clothing for fire-fighting: it is recommended a mask breathing apparatus and suitable fireproof suit.

Additional information: Water for extinction must not arrive to sewers, to ground nor water. Provide enough devices for extinction water retention. Fire rests and extinction water contaminated must be eliminated according to current local laws.

[cont...]

6. ACCIDENTAL RELEASE MEASURES

Any special precaution is necessary to be taken.

In case of special sensitivity to the product, use safety glasses, closed clothes and masks for powder.

Remove or aspire the dumping and put it in an adequate container to be eliminated.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: In case of special sensitivity to product, use close clothes that cover the most part of body (not use contact lens), latex gloves and mask to avoid the powder.

After having used the product, especially if it is powder, wash with abundant water.

CONDITIONS FOR SAFE STORAGE, INCLUDING POSSIBLE INCOMPATIBILITIES:

Store in a fresh (25 ºC) and dry area (<80 HR).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Limit values to be controlled in workplace: No determined.

Personal protection: None.

Breath protection: Any protective special equipment is required.

If powder appears: Mask against powder with particles P2 filter.

Hand Protection:

Wear protective gloves manufactured with the following materials: Cloth, latex, leather.

Eyes protection: Protective glasses with lateral covers.

If powder appears: Grille glasses.

Skin and body protection: Use clothes that cover completely body to avoid possible irritations on skin.

Hygiene measurements: Not eat, nor drink, not to smoke during its utilisation.

Before pauses and after having concluded work, wash hands and/or face.

Wash clothes contaminated before being used again.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid.

Appearance/colour: Powder or small white crystals.

Odour: No odour.

Chemical formula: C4H5KO6

Molecular weight: 188.18

Boiling point: Not described in any bibliography.

Specific heat (20ºC): 0,288 cal/mg/ºC

Solubility in water: At 10ºC: 4g/1000ml

At 100 ºC: 61 g/1000ml

[cont...]

pH (1%) in water:	3.3 – 3.5
Specific density 20ºC:	1,2 g/ml
Specific rotation:	Watery solution 20/00 20ºC, 589,2nm. (+32,5ºC at +35,5ºC)
Combustion Heat:	275,1 Kcal/mol.
Refraction Index:	1.511
Crystals form:	Prisms in shape of rhombuses.
Melting Point:	230 ºC

10. STABILITY AND REACTIVITY

In normal conditions, it is TOTALLY STABLE to the air and to the light. IT IS NOT HIGROSCOPIC, NOT EFLUORECENT.

INCOMPATIBILITIES:	In a watery solution mixed with CARBONATES, it produces abundant foam with leak of CARBONIC ANHIDRID (CO2).
DESCOMPOSITION DANGER:	NOT-EXISTENT in normal conditions.
POLYMERITATION:	NOT-EXISTENT in normal conditions.
STORAGE CONDITIONS:	Store in a dry place away from toxic products.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS: This product IS NOT TOXIC.

LD50/LC50:	oral-rat LDLO: 22g/kg
Recommended human dose:	0.38 mg/kg weight.
Carcinogenicity:	Not described any risk in this field.
Mutagenicity:	Not described any risk in this field.
Main ways of absorption:	Inhalation, mucous membranes, consumption.

12. ECOLOGICAL INFORMATION

Behaviour in environment:	It is biodegradable.
Ecotoxic effects:	Unknown with concentrations that present.

13. DISPOSAL CONSIDERATIONS

Product:	Could be incinerated using a post burner and gases picker.
Packaging:	Those in paper and plastic could be incinerated.

14. TRANSPORT INFORMATION

Surface transport:	Special precautions are not necessary.
Sea transport by vessel:	Special precautions are not necessary.
Air transport:	Special precautions are not necessary.

[cont...]

15. REGULATORY INFORMATION

Signposting and labelling according to CEE regulations.
The substance is a food additive and can be labelled like this.
A special precautionary labelling is not compulsory.

Note: The regulatory information given above only indicates the principal regulations specifically Applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Legal disclaimer: The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.