Potassium Lactate / Sodium Diacetate

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: Revision date: 14/03/2014 Supersedes: 11/12/2013 Version: 6.0

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

1.1. Product identifier

Chemical type : Mixture

Trade name : Potassium Lactate / Sodium Diacetate

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

1.2.1. Relevant identified uses

Use of the substance/preparation : Food additive

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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Place d'Escanaffles, 23
B-7760 Escanaffles
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MSDS@lactic.com

GALACTIC INC.
2730 W. Silver Spring Drive
Milwaukee, WI 53209
T: 414-462-3916 - F: 414-462-2070
galactic-us@lactic.com

1.4. Emergency telephone number

Country	Official advisory body / Company	Address	Emergency number
IRELAND (REPUBLIC OF)	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	+353 1 837 9964 +353 1 809 2566
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	+44 870 600 6266 (only for health professionals)
USA	American Association of Poison Control Centers	515 King Street, Suite 510 VA 22314 Alexandria	1-800-222-1222

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Dam. 1 H318

Full text of H-phrases: see section 16

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

Xi; R41

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye damage.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS05

CLP Signal word : Danger

Hazard statements (CLP) : H318 - Causes serious eye damage

Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

2.3. Other hazards

Other hazards not contributing to the classification : None, to our knowledge.

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Sodium hydrogen di(acetate)	(CAS No.) 126-96-5 (EC no) 204-814-9	3 - 10	Xi; R41
Potassium lactate	(CAS No.) 85895-78-9 / 996-31-6 (EC no) 288-752-8 / 213-631-3		Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium hydrogen di(acetate)	(CAS No.) 126-96-5 (EC no) 204-814-9	3 - 10	Eye Dam. 1, H318
Potassium lactate	(CAS No.) 85895-78-9 / 996-31-6 (EC no) 288-752-8 / 213-631-3		Not classified

Full text of R-, H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air
If irritation persists, consult a doctor.

First-aid measures after skin contact : Remove all contaminated clothing and footwear
Rinse with water
If on skin and if skin irritation occurs, seek medical advice and attention.

First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum)
Remove contact lenses, if present and easy to do. Continue rinsing
Consult an eye specialist immediately, even if there are no immediate symptoms.

First-aid measures after ingestion : Rinse mouth out with water
Never attempt to induce vomiting
Ask for medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after eye contact : Serious eye damage/irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray
Dry powder
Carbon dioxide (CO2)
Foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard : During combustion :
Toxic fumes may be released
Carbon oxides (CO and CO2).

5.3. Advice for firefighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray
Contain the extinguishing fluids by bunding.

Protection during firefighting : Do not attempt to take action without suitable protective equipment
Self-contained breathing apparatus
Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with skin and eyes
Do not breathe vapours
In case of important spillage :
Only qualified personnel equipped with suitable protective equipment may intervene.

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6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment
For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Contain the spilled material by bunding. Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

For containment : Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite kieselguhr, powdered limestone.

Methods for cleaning up : Wash non-recoverable remainder with large amounts of water.

Other information : Dispose of contaminated materials in accordance with current regulations.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station
Avoid contact with skin and eyes
Do not breathe vapours.

Hygiene measures : Do not drink, eat or smoke in the workplace
Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

Storage conditions : Store in a cool, well-ventilated place.

Packaging materials : Storage in closed glass, stainless steel, plastic or epoxy lined vessels is recommended.

7.3. Specific end use(s)

Not applicable.

SECTION 8: Exposure controls/personal protection

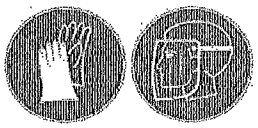
8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Personal protective equipment : Gloves
Face-shield.



Hand protection : Protective gloves.

Eye protection : Face-shield.

Skin and body protection : Protective clothing.

Respiratory protection : If the ventilation is suitable, it is not essential to wear respiratory equipment.

Environmental exposure controls : Take all necessary precautions to avoid the accidental release of the product outside, due to the rupture of containers or transfer systems.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: colourless to slightly yellow.
Odour	: acid.
Odour threshold	: Not established
pH	: 5,5 - 8
Melting point	: No data available
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available

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Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1,32 - 1,34
Solubility	: Water: Soluble
Log Pow	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: > 200 °C
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing material according to EC criteria.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

To our knowledge, the product does not present any particular risk.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

None to our knowledge.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

On combustion or on thermal decomposition (pyrolysis) releases :
Carbon oxydes (CO, CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Potassium lactate (85895-78-9 / 996-31-6)	
LD50 oral rat	> 2000 mg/kg

Sodium hydrogen di(acetate) (126-96-5)	
LD50 oral rat	5600 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Lack of data)
Carcinogenicity	: Not classified (Lack of data)
Reproductive toxicity	: Not classified (Lack of data)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Lack of data)

SECTION 12: Ecological information

12.1. Toxicity

Sodium hydrogen di(acetate) (126-96-5)	
LC50 fish	272,87 mg/l/96h
EC50 Daphnia	> 1000 mg/l/48h (Daphnia magna)

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Sodium hydrogen di(acetate) (126-96-5)	
ErC50 (algae)	> 1000 mg/l/72h

12.2. Persistence and degradability

Potassium lactate (85895-78-9 / 996-31-6)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance with relevant local regulations.

SECTION 14: Transport information

No dangerous good in sense of transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No additional information available

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

SECTION 16: Other information

Indication of changes : This sheet was updated (refer to the date at the top of this page). This sheet has been revised completely (changes were not marked).

Data sources : ECHA - European Chemical Agency. HSDB (Hazardous Substances Data Bank). Joint Research Center (JRC).

Full text of R-, H- and EUH-phrases::

Eye Dam. 1	Serious eye damage/eye irritation Category 1
H318	Causes serious eye damage
R41	Risk of serious damage to eyes.
Xi	Irritant

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.