

**Information Data Sheet Dated 24/6/2015, Version 4**

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

- 1.1. Product identifier
- |               |                       |
|---------------|-----------------------|
| Trade name:   | POTASSIUM BICARBONATE |
| CAS number:   | 298-14-6              |
| EC number:    | 206-059-0             |
| REACH number: | 01-2119532640-48-XXXX |
- 1.2. Relevant identified uses of the substance or mixture and uses advised against  
Recommended use:  
FOR PROFESSIONAL USE
- 1.3. Details of the supplier of the safety data sheet  
Company:  
Esseco S.r.l. Via San Cassiano 99  
28069 - Trecate (NO)  
Italy  
Enartis - Phone n. +39-0321-790300  
Competent person responsible for the safety data sheet: vino@enartis.it
- 1.4. Emergency telephone number  
Enartis - Phone n. +39-0321-790300

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**SECTION 2: Hazards identification**

No specific hazards are encountered under normal product use.  
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

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**SECTION 3: Composition/information on ingredients**

- 3.1. Substances  
N.A.
- 3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:  
None.

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**SECTION 4: First aid measures**

- 4.1. Description of first aid measures  
In case of skin contact:  
Wash with plenty of water and soap.  
In case of eyes contact:  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
In case of Ingestion:  
Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.  
In case of Inhalation:  
Remove casualty to fresh air and keep warm and at rest.
- 4.2. Most important symptoms and effects, both acute and delayed  
None
- 4.3. Indication of any immediate medical attention and special treatment needed

Treatment:  
None

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### **SECTION 5: Firefighting measures**

- 5.1. Extinguishing media  
Suitable extinguishing media:  
Water.  
Carbon dioxide (CO<sub>2</sub>).  
Extinguishing media which must not be used for safety reasons:  
None in particular.
- 5.2. Special hazards arising from the substance or mixture  
Do not inhale explosion and combustion gases.
- 5.3. Advice for firefighters  
Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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### **SECTION 6: Accidental release measures**

- 6.1. Personal precautions, protective equipment and emergency procedures  
Wear personal protection equipment.  
Remove persons to safety.  
See protective measures under point 7 and 8.
- 6.2. Environmental precautions  
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up  
Wash with plenty of water.
- 6.4. Reference to other sections  
See also section 8 and 13

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### **SECTION 7: Handling and storage**

- 7.1. Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.
- 7.3. Specific end use(s)  
None in particular

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### **SECTION 8: Exposure controls/personal protection**

- Eye protection:  
Not needed for normal use. Anyway, operate according good working practices.
- Protection for skin:  
No special precaution must be adopted for normal use.
- Protection for hands:  
Not needed for normal use.
- Respiratory protection:

Not needed for normal use.  
 Thermal Hazards:  
 None  
 Environmental exposure controls:  
 None

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance and colour:	Solid	
Odour:	None	
Odour threshold:	N.A.	
pH:	± 8.00	
Melting point / freezing point:	±290 °C	
Initial boiling point and boiling range:	N.A.	
Solid/gas flammability:	N.A.	
Upper/lower flammability or explosive limits:	N.A.	
Vapour density:	N.A.	
Flash point:	N.A.	
Evaporation rate:	N.A.	
Vapour pressure:	N.A.	
Relative density:	2.17 g/cm <sup>3</sup> (20°C)	
Solubility in water:	360 g/L (20°C)	
Solubility in oil:	N.A.	
Partition coefficient (n-octanol/water):	N.A.	
Auto-ignition temperature:	N.A.	
Decomposition temperature:	N.A.	
Viscosity:	N.A.	
Explosive properties:	N.A.	
Oxidizing properties:	N.A.	

### 9.2. Other information

Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

## SECTION 10: Stability and reactivity

- 10.1. Reactivity
  - Stable under normal conditions
- 10.2. Chemical stability
  - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
  - None
- 10.4. Conditions to avoid
  - Stable under normal conditions.
- 10.5. Incompatible materials
  - None in particular.
- 10.6. Hazardous decomposition products
  - None.

## SECTION 11: Toxicological information

Toxicological information of the main substances found in the mixture:  
 N.A.

## SECTION 12: Ecological information

- 12.1. Toxicity
  - Adopt good working practices, so that the product is not released into the environment.

- N.A.
- 12.2. Persistence and degradability  
N.A.
- 12.3. Bioaccumulative potential  
N.A.
- 12.4. Mobility in soil  
N.A.
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
None

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### **SECTION 13: Disposal considerations**

Recover if possible. In so doing, comply with the local and national regulations currently in force.

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### **SECTION 14: Transport information**

Not classified as dangerous in the meaning of transport regulations.

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### **SECTION 15: Other information**

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
N.A.:	Not Available
LTE:	Long-term exposure.



## Information Data Sheet

# POTASSIUM BICARBONATE

PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.