

## LAW AND REGULATIONS

Sodium bicarbonate ( $\text{NaHCO}_3$ ) is a raw material used in animal feed and is classified as a "Mineral".

It must respect:

### Indications on packagings

According to Art. 5 of the Directive 96/25/EC concerning the use and the circulation of feed materials, all sodium bicarbonate packages must carry a label or be provided with a document stating/reporting:

- the name of the raw material;
- the end use feed material;
- the sodium content;
- the net quantity expressed in units of mass;
- the name and address of the company or of the person responsible for the above mentioned raw material/product (producer, distributor, importer)
- and the lot reference number or any other indication enabling the raw material/product to be traced back to its origin.

### Purity Requirements

Directive 2002/32/EC of the European Parliament and of the Council of 7 May 2002 concerning undesired substances in animal feeds, sets the limits for such substances to be present in raw materials.

Sodium bicarbonate must be:

- properly packed to protect the contents;
- for bulk deliveries:
  - transported in properly washed tanks to prevent contamination;
  - stocked in appropriate silos avoiding contact with contaminating surfaces (for instance floors);
  - no contact with forbidden substances according to Commission Decision 2004/217/EC.
- analysed according to international analysis method.

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### Registration of the food and feed operators

In order to enhance traceability of the entire supply chain (production, transformation, storage, transport or distribution of products for animal nutrition), Articles 9 and 10 of the Regulation (EC) N° 1831/2005 demand, that feed business operators shall notify the appropriate competent authority of any establishments under their control, active in any of the stages of production, processing, storage, transport or distribution of feed, in the form required by the competent authority with a view to registration.

According to the Regulation, all existing plants should have asked authorities to be registered by 31/12/2005, and declare by 31/12/2007 that the conditions laid down in the Regulation are being met.

*In 1863 the SOLVAY brothers start the activity of their group with a new way to produce Sodium bicarbonate: the SOLVAY process.*

#### Highlights in 2005

*Sales: 8.6 GEUR*

*The SOLVAY group employs 28.730 people.*

*It is present in 50 countries on every continent.*

*Operates in three sectors:*

*Chemicals, Pharmaceuticals and Plastics.*

*SOLVAY is the leader worldwide for Sodium bicarbonate production and distribution with 7 plants in Europe and 1 plant in the United States.*

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# Choose security with **BICAR<sup>®</sup> Z**



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## YOUR POSITION



*In the control room of Dombasle plant*

**Regulation (EC) N° 178/2002 lays down the principals and the general requirements of the food legislation and took effect from 1st January 2005.**

### **Art. 15 and 17 both establish that:**

- feeds at risk can neither be marketed, nor be administered to food production animals;
- only those feeds that comply with specific EU rules are considered safe;
- **food-and-feed control operators must assure that in all enterprises in each stage of their activity (production, transformation and distribution) food and feeds comply with the established rules.**

This regulation establishes/introduces, in order to protect the supply chain, the concept of product-tracing.

### **Art. 18 establishes that:**

- food and feed operators must be able to trace back the suppliers of feed materials;
- food or feed products that enter the EU market must be adequately labeled or identified with full details, in order to be traced back easily.



*Picture of BICAR® Z pallet*

## YOUR SUPPORT: BICAR® Z

SOLVAY, world leader in the production of sodium bicarbonate, markets animal feed sodium bicarbonate (BICAR® Z) in compliance with the rules in force as described above.

Besides, SOLVAY with BICAR® Z guaranties:

### **HACCP (Hazard Analysis and Critical Control Point)**

The HACCP food and feed program identifies and prevents hygienic-sanitary hazards and is applicable to all sectors.

In order to guarantee the traceability and the safety of the supply chain, SOLVAY applies the HACCP method according to the principles of the CODEX ALIMENTARIUS.

This method:

- is easily understandable to all users of the supply chain;
- is a system focusing on the identification and control of chemical, physical or microbiological contamination hazards;
- is a method providing information and promoting the compliance with hygienic and general rules in the various SOLVAY plants.

### **GMP-B2 and QS Certifications**

To better adapt its offer to the different European markets, some plants of the SOLVAY group have successfully obtained certifications:

- GMP-B2 (Good Manufacturing Practices)
- Q&S

Deliveries of certified product are a service on demand.

### **Qualimat-Transport®**

The main cause of contamination during the transfer of bulk product depends usually on the kind of material that was transported previously.

For that reason SOLVAY has defined some internal standards based on the Qualimat-Transport system. SOLVAY has defined the following rules to be applied to the loading operations in their plants and to the subsequent transport:

- Exclusive use of hauliers conforming to Regulation (EC) N° 183/2005.

- Exclusive use of certified hauliers or hauliers that have been audited on their respect of SOLVAY internal rules based on Qualimat/GMP07.

- A cleaning certificate is systematically asked for bulk trucks if the previous cargo was not BICAR® Z.
- Cleanliness: all trucks are inspected before loading.
- Full traceability of previous loads is asked to the haulier.

**By putting into practice those risk assessment procedures in their plants and when selecting transport companies, SOLVAY guarantees the best with BICAR® Z.**

*Labelling for a BICAR® Z bag*

