

### BATCH NUMBERING CONVENTION AND SHELF LIFE STATEMENT SODIUM BICARBONATE (S300)

Solvay identifies its Sodium Carbonate products with a batch number conforming to the following convention: ymmddxxxzz

Where:

y	=	last digit of year of current year
mm	=	numerical month
dd	=	numerical day of month
xxx	=	order of loading for date of loading
zz	=	product package identifier

Example: Batch number 70301001AR or 70301001AP (March 1, 2017)

7	=	2017 (7)
03	=	month (March)
01	=	day of month (1 <sup>st</sup> )
001	=	order of loading (001, 002, 003)
3R	=	product package identifier (3R railcar, 3T truck)

### Storage and Handling

Solvay's sodium bicarbonate (Solvair Select 300/S300) should be stored in a dry place in its original container. The product should be stored away from strong acids, bases and other incompatible chemicals.

The product may cake or form lumps if exposed to high humidity or if compacted during storage. Finer grades of sodium bicarbonate are more prone to agglomeration and compaction, so efforts should be made to ensure that inventories are managed on a first in, first out (FIFO) basis. Under proper storage conditions, a change in flow characteristics (caking or lumpiness) will have no effect on the chemical nature of sodium bicarbonate.

### STABILITY AND SHELF LIFE

Sodium bicarbonate is stable at ambient temperature and atmospheric pressure. However, the product will decompose to sodium carbonate and CO<sub>2</sub> when subject to elevated temperatures (above 140°F/60°C). The speed of decomposition increases with increasing temperature. As a result, product should be kept away from heat sources to prevent decomposition.

In storage trials at 77°F (25°C) and 60% relative humidity, sodium bicarbonate has shown chemical stability for a minimum of 2 years.

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Before using, read the Safety Data Sheet (SDS) for the chemical.