

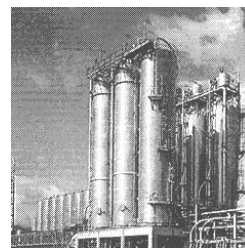
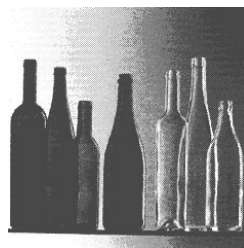
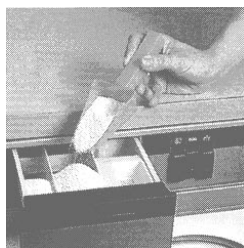
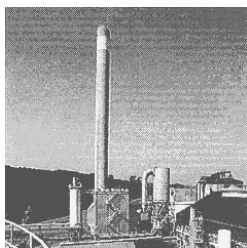
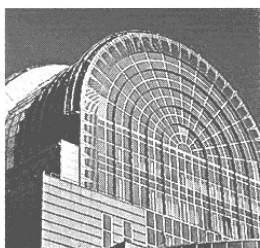
SODA SOLVAY® DENSE

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Dense Soda Ash

Origin	Europe
Chemical name: Sodium carbonate / Soda ash	
CAS – N°	497-19-8
EINECS – N°	207-838-8
EC – N°	011-005-00-2
CLP Classification: H319	Causes serious eye irritation
Chemical formula	Na ₂ CO ₃
Molecular weight	106
Physical properties	
Appearance: White powder	
Density in kg/dm ³	2,533
Melting point °C	851
Solubility in water at 20°C in g/1000g	214
pH (1% in water)	11,26

Product Data Sheet



➤ Applications

Glass Industry – Raw Material for melting

Chemical Industry – Production of sodium derivatives

Detergents – Alkaline support

Metallurgical processes – Desulfurization of pig iron – Raw material for melting, ...

Flue gas treatment – Removal of acidic components

➤ Transport / Packaging

Bulk: wagon, truck, ship

Packaging: plastic bags, bulk bags

Some applications of this product may be regulated or restricted by national or international standards (e.g. food additives, feeding stuff, water treatment, the cosmetic or pharmaceutical industry, etc). The buyer and eventual user, in his sole and entire liability, shall respect those standards, orders of any relevant authority, and all existing patents and intellectual properties rights; and shall comply with the laws and the regulations applicable to our products and/or to his activity. The buyer and the eventual user must independently determine the suitability of this product for any particular purpose and its manner of use.

SOLVAY CHEMICALS INTERNATIONAL
Rue du Prince Albert, 44
B-1050 Brussels

Internet: <http://www.solvay.com>

Specification	SPE – C 05.51.20		
Date	12/2010	Ed./ Issue	01
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Typical analytical values

	Europe
Chemical analysis	
Na ₂ CO ₃ (Na ₂ O) *	99,6 % (58,3 %)
NaCl	0,13 %
Na ₂ SO ₄	0,01 ~ 0,02 %
CaO	32 ~ 100 ppm
MgO	40 ~ 118 ppm
Fe ₂ O ₃	2 ~ 10 ppm
Loss on drying *	0,12 ~ 0,2 %
Free flowing density	1,02 ~ 1,13 kg/dm ³
Granulometry	
> 2 mm	0 ~ 0,3 %
> 1 mm	0,4 ~ 7,0 %
> 0,5 mm	12 ~ 40 %
< 0,125 mm	1,6 ~ 3,0 %
< 0,063 mm	0,2 ~ 1,0 %

Specification

Chemical analysis	
Na ₂ CO ₃ (Na ₂ O) *	≥ 99 % (57,9 %)
NaCl	≤ 0,15 %
Na ₂ SO ₄	≤ 0,04 %
CaO	≤ 280 ppm
MgO	≤ 150 ppm
Fe ₂ O ₃	≤ 21 ppm
Loss on drying *	≤ 0,5 %
Free flowing density	≥ 0,95 kg/dm ³ ≤ 1,20 kg/dm ³
(*) Ex works or after drying (2 hrs at 250°C)	
Granulometry	
> 2 mm	≤ 1 %
> 1 mm	≤ 15 %
< 0,125 mm	≤ 10 %

List of analytical methods see: ANA – C 40 00 00 JULY 2000

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