



## SODIUM CHLORITE

A sector group of Cefic

### Change in SODIUM CHLORITE Classification and Labelling

The legal basis for the classification and labelling of substances is provided for in Directive 67/548/EEC, commonly known as the Dangerous Substances Directive (DSD).

For substances not appearing in Annex I of the directive like SODIUM CHLORITE, manufacturers shall self-classify the substance taking into account all the relevant and accessible data which exist concerning the properties of this substance. The classification and labelling is done according to the criteria in Annex VI of the directive.

In this context, the members companies of the CEFIC SODIUM CHLORITE sector group inform their customers that they update the SODIUM CHLORITE classification and labelling for the environment.

According to the criteria defined in annex VI of the directive, a substance having an 48h EC50 for daphnia  $<$  or  $=$  to 1mg/l shall be classified as dangerous for the environment and assigned the symbol "N" and the risk phrase R50 "very toxic for the aquatic environment".

As two acute toxicity studies performed with SODIUM CHLORITE on daphnia magna showed that 48h EC 50 were 0.0258 mg/l (1) and below 1mg/l (2) respectively, the classification of SODIUM CHLORITE is updated.

The following table gives the current and new classifications and labelling:

<b>Current classification/labelling</b>	<b>New classification/labelling</b>
Classification: Xn, R22 R32 Xi, R41	Classification: Xn, R22 R32 Xi, R41 N, R50
Labelling: Symbol: Xn R: 22-32-41 S: 14-17-26-36/37/39	Labelling: Symbol: Xn, N R: 22-32-41-50 S: 14-17-26-36/37/39-61

Text of R and S Phrases:

R22: Harmful if swallowed

R32: Contact with acids liberates very toxic gas

R41: Risk of serious damage to eyes

R50: Very toxic to aquatic organisms.



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S14: Keep away from reducing agents, acids, alkalis, heavy metal salts

S17: Keep away from combustible material

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

**The members companies of the Sodium Chlorite Sector Group intend to implement the change in classification and labelling between March and June 2005.**

(1) Degussa Corporation 1984 The acute toxicity of sodium chlorite technical to the water flea, *Daphnia magna* in a Static Test System. Biospherics Inc, project n°=84E-092DM .

(2) Atofina 2002 Sodium chlorite-acute toxicity in *Daphnia magna* screening test. CIT, study n°=23490 EAD.