



MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT & IDENTIFICATION

Trade Names:

CS 2 and CS 4

Chemical Name:

Sodium Silicate Glass

Chemical Formula:

$\text{Na}_2\text{O}(\text{SiO}_2)$

Company Identification:

C.THAI CHEMICALS CO.,LTD.

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Uses:

Sodium silicate is a general purpose industrial chemical with many and varied uses, particularly in detergent and adhesive applications.

SECTION 2 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE	: SOLID
ODOUR AND APPEARANCE	: ODOURLESS AND TRANSPARENT BLUE
SOLUBILITY IN WATER (20°C)	: APPROX.365 g/l
VAPOUR PRESSURE	: -----
pH VALUE	: APPROX. 10.5
DENSITY (BULK DENSITY)	: 600 – 800 kg/m ³
WATER HAZARD CLASS/(WGK)	: 1

(Self classification on the basis of component assessments or analogy conclusions without addition/subtraction of points for good/poor.) In case of discharge of acidic or alkaline product into the sewerage system the pH must be in the range of 6-10 since higher sewerage system of impair biological sewerage system or impair biological sewage treatment plants. Local discharge statutes have to be observed.

SECTION 3 FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY : NO
FLASH POINT : Not applicable
OTHER INFORMATIONS : It is not a hazardous material, however it is irritant which can irritate the respiratory system and skin.

SECTION 4 REACTIVITY DATA

CHEMICAL STABILITY : YES
IF SO UNDER WHICH CONDITIONS : Stable under ordinary condition of use and storage.
HAZARDOUS DECOMPOSITION PRODUCTS : None Known
(REACTIVITY AND UNDER WHAT CONDITIONS)
REACTS WITH ACID : Heat released

SECTION 5 TOXICOLOGICAL PROPERTIES OF PRODUCT

ROUTE OF ENTRY : Skin Contact
: Eye Contact
: Inhalation Acute.
EFFECTS OF ACUTE EXPOSURE TO PRODUCT : Dust can irritate eyes, nose and throat.
: LD50 > 2,000 Mg/kg body weight. Rat.
Therefore the compound is acute slightly toxic after ingestion.

SECTION 6 PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT : Protective equipment worn will depend on nature of the work.
GLOVES (SPECIFY) : Suitable protective gloves.
RESPIRATORY (SPECIFY) : Dust mask when dust is generated.
EYES (SPECIFY) : Safety goggles
FOOTWEAR (SPECIFY) : Rubber
OTHER (SPECIFY) : Approved working clothes
ENGINEERING CONTROL (SPECIFY) : General ventilation is usually adequate local exhaust may also be used.
WASTE DISPOSAL : Consult environmental authorities to ensure compliance, e.g. suitable dumping

STORAGE REQUIREMENT : Store in tightly closed containers, well ventilated area.

SECTION 7 FIRST AID MEASURE

SKIN : Wash area immediately with soap and plenty of running water.
Obtain medical advices if irritation persists. Removed
Contaminated clothes.

EYES : Wash eyes with gentle stream of running water. Immediately
obtain medical attention.

INHALATION : Remove to fresh air. Obtain medical attention for any
breathing difficulty.

INGESTION : Low toxicity by ingestion. Drink plenty of water. Flush oral
cavity, consult a physician immidiately.

GERNERAL ADVICES : Obtain medical attention for all serious injuries.

SECTION 8 PREPARATION DATE OF M.S.D.S.

ADDITIONAL INFORMATIONS

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