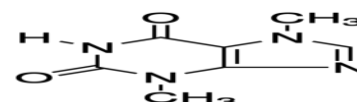


## THEOBROMINE FOR SYNTHESIS

PRODUCT CODE	241905
SYNONYMS	3,7-Dimethylxanthine
C.I. NO.	--
CASR NO.	83-67-0
ATOMIC OR MOLECULAR FORMULA	$C_7H_8N_4O_2$
ATOMIC OR MOLECULAR WEIGHT	180.16
PROPERTIES	--



PARAMETER	LIMIT
-----------	-------

Description	White to off white powder.
Solubility	5.0% solution in 0.5 M NaOH is clear colourless to very faint yellow.
Minimum assay	99.0%
Melting range	345-350 °C

### MAXIMUM LIMIT OF IMPURITY

Water (KF)	0.5%
------------	------

Note(s): Assay (if applicable) method mentioned.

#### WARNING

**Hazard statements :** May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

#### Precautionary statements

**Prevention:** Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.

**Disposal:** Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

IMDG Code : --

UN No. : --

IATA : --

Hazard Pictogram(s) :



GHS07