



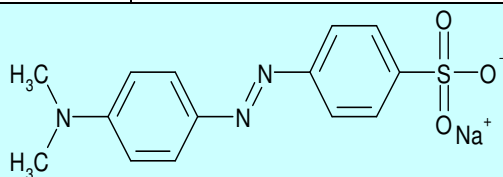
SDFCL
s d fine-CHEM LIMITED

Quality Control Dept.



Qu Product Specification

E Control	QC2\DATAD\D:\PS\30065XPS.xls
PRODUCT CODE	30065
PRODUCT NAME	METHYL ORANGE PH INDICATOR
SYNONYMS	--
C.I. NO.	13025
CASR NO.	(547-58-0)
ATOMIC OR MOLECULAR FORMULA	C ₁₄ H ₁₄ N ₃ NaO ₃ S
ATOMIC OR MOLECULAR WEIGHT	327.04
PROPERTIES	Practically insoluble in alcohol.



PARAMETER	LIMIT
Dye Content (Titanometry; on dried substance)	> 85.0%
pH Transition Range	pH 3.1 - 4.4 Pink - Orange yellow
Absorption maximum λ1 (pH 3.1) λ2 (pH 4.4)	501 - 504 nm 467 - 471 nm
Absorptivity (A1% / 1 cm at λ1(pH 3.1); λ2 (pH 4.4); on dried substance)	1050 - 1150 750 - 850
Clarity of solution	To pass the test.
Loss on drying (at 110°C)	Max. 5.0%
MAXIMUM LIMIT OF IMPURITIES	
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Note(s) : Assay (if applicable) method mentioned.

DANGER

Hazard statements : Toxic if swallowed. May cause allergic skin reaction

Precautionary statements

Prevention : Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated clothing should not be allowed out of the workplace. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Response : Wash contaminated clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS.

IMDG Code : 6.1/III

UN No. : 2811

IATA : 6.1

Disposal: Dispose of contents and container in accordance with relevant legislation.

Hazard Pictogram(s) :--



Acute toxicity

Prepared By :	Checked By:	Approved By:	Issue Date : 01.07.2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 02
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO. : 1554

