

# SAFETY DATA SHEET

Revision Date 18-Jan-2018

**Revision Number** 3

1. Identification				
Product Name	4-Methylanisole			
Cat No. :	AC164660000; AC164660010; AC164660025; AC164660050; AC164662500			
CAS-No Synonyms	104-93-8 1-Methoxy-4-methylbenzene; MSO; p-Cresyl methyl ether			
Recommended Use Uses advised against	Laboratory chemicals. Not for food, drug, pesticide or biocidal product use			
Details of the supplier of the	safety data sheet			
Company				

Fisher Scientific One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100

Acros Organics One Reagent Lane Fair Lawn, NJ 07410

#### **Emergency Telephone Number**

For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11 Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99 **CHEMTREC** Tel. No.**US**:001-800-424-9300 / **Europe**:001-703-527-3887

## 2. Hazard(s) identification

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	Category 3
Acute oral toxicity	Category 4
Skin Corrosion/irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Reproductive Toxicity	Category 2

### Label Elements

Signal Word Warning

#### Hazard Statements

Flammable liquid and vapor Harmful if swallowed Causes skin irritation Causes serious eye irritation Suspected of damaging the unborn child



#### Precautionary Statements Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Wear eye/face protection

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting/equipment

Use only non-sparking tools

Take precautionary measures against static discharge

#### Response

IF exposed or concerned: Get medical attention/advice

#### Skin

If skin irritation occurs: Get medical advice/attention

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

#### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

#### Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

#### Rinse mouth

#### Fire

In case of fire: Use CO2, dry chemical, or foam for extinction

#### Storage

Store locked up

Store in a well-ventilated place. Keep cool

#### Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Harmful to aquatic life with long lasting effects

## 3. Composition/Information on Ingredients

Component	CAS-No	Weight %
Methyl para-cresol	104-93-8	>95

4. First-aid measures			
General Advice	If symptoms persist, call a physician.		
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.		
Skin Contact	Obtain medical attention. Wash off immediately with plenty of water for at least 15 minutes.		

Inhalation	Move to fresh air. Obtain medical attention. If not breathing, give artificial respiration.		
Ingestion	Clean mouth with water and drink afterwards plenty of water.		
Most important symptoms and effects Notes to Physician	Breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting Treat symptomatically		
	5. Fire-fighting measures		
Suitable Extinguishing Media	CO 2, dry chemical, dry sand, alcohol-resistant foam. Cool closed containers exposed to fire with water spray.		
Unsuitable Extinguishing Media	No information available		

Flash Point	53 °C / 127.4 °F
Method -	No information available
Autoignition Temperature	485 °C / 905 °F
Explosion Limits	
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

#### **Specific Hazards Arising from the Chemical**

Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

#### **Hazardous Combustion Products**

Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>)

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<u>NFPA</u>	Health 2	Flammability 2	<b>Instability</b> 0	Physical hazards N/A
		6. Accidental rel	ease measures	
Personal	Precautions		uipment. Ensure adequate ver / measures against static disc	ntilation. Remove all sources of harges.
Environm	nental Precautions	Should not be released into	the environment. Do not flush 12 for additional ecological in	h into surface water or sanitary formation. Avoid release to the
Methods Up	for Containment and C	<b>lean</b> Keep in suitable, closed con Remove all sources of ignit	ntainers for disposal. Soak up ion. Use spark-proof tools and	
		7. Handling a	and storage	
Handling		skin, or on clothing. Avoid i	ngestion and inhalation. Keep nition. Use only non-sparking t	

StorageKeep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat<br/>and sources of ignition.

8. Exposure controls / personal protection			
Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limitsestablished by the region specific regulatory bodies.		
Engineering Measures	Use explosion-proof electrical/ventilating/lighting/equipment. Ensure adequate ventilation, especially in confined areas.		
Personal Protective Equipment			
Eye/face Protection	Tightly fitting safety goggles. Face-shield.		
Skin and body protection	Long sleeved clothing.		
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions.		
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.		

## 9. Physical and chemical properties

Liquid Clear

	<b>J</b> -
Physical State	
Appearance	
Odor	
Odor Threshold	
рН	
Melting Point/Range	
Boiling Point/Range	
Flash Point	
Evaporation Rate	
Flammability (solid,gas)	
Flammability or explosive limits	
Upper	
Lower	
Vapor Pressure	
Vapor Density	
Specific Gravity	
Solubility	
Partition coefficient; n-octanol/water	
Autoignition Temperature	
Decomposition Temperature	
Viscosity	
Molecular Formula	
Molecular Weight	

#### No information available No information available -50 °C / -58 °F 174 °C / 345.2 °F @ 760 mmHg 53 °C / 127.4 °F No information available Not applicable No data available No data available 1.2 mmHg @ 25 °C

No information available

1.2 mmHg @ 25 °C 4.2 0.960 No information available No data available 485 °C / 905 °F No information available No information available C8 H10 O 122.17

## 10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Product	<b>s</b> Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> )

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

Hazardous Reactions

None under normal processing.

## 11. Toxicological information

Acute Toxicity

## Product Information

Component Information		I D50 Oral	LD50 Oral LD50 Dermal		1 C 50 1	LC50 Inhalation	
		LD50 = 1920 mg/kg (R		LD50 > 5 g/kg (Rabbit)		>6.1 mg/L (Rat) 4 h	
Toxicologically Syn Products	-		No information available				
rritation		No information ava		u long-term expos			
Sensitization		No information ava	ilable				
Carcinogenicity		The table below inc	dicates whether ea	ach agency has liste	ed any ingredient a	as a carcinoge	
Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico	
Methyl para-cresol	104-93-8	3 Not listed	Not listed	Not listed	Not listed	Not listed	
Reproductive Effec		No information ava					
·		No information ava					
Teratogenicity STOT - single expo	sure						
Feratogenicity STOT - single expo STOT - repeated ex	sure	No information ava	ilable.				
Developmental Effe Teratogenicity STOT - single expo STOT - repeated ex Aspiration hazard Symptoms / effects delayed	sure posure	No information ava None known None known	ilable. ilable	neadache, dizziness	s, tiredness, nause	ea and vomitin	
Teratogenicity STOT - single expo STOT - repeated ex Aspiration hazard Symptoms / effects	sure posure s,both acute	No information ava None known None known No information ava and Symptoms of overe	ilable. ilable exposure may be l	neadache, dizziness	s, tiredness, nause	ea and vomitin	

12. Ecological information

#### Ecotoxicity

Do not empty into drains. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment. Contains a substance which is:. Harmful to aquatic organisms.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Methyl para-cresol	EC50: = 390 mg/L, 96h (Desmodesmus subspicatus) EC50: = 320 mg/L, 72h (Desmodesmus subspicatus)	LC50: 46 - 100 mg/L, 96h static (Leuciscus idus)	EC50 = 3.5 mg/L 30 min EC50 = 5272 mg/L 30 min	EC50: = 44.2 mg/L, 48h (Daphnia magna Straus)

Persistence and Degradability Persistence is unlikely

#### Bioaccumulation/ Accumulation No information available.

Mobility

. Will likely be mobile in the environment due to its water solubility.

Component	log Pow
Methyl para-cresol	2.659

## 13. Disposal considerations

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information		
DOT		
UN-No	UN1993	
Hazard Class	3	
Packing Group	III	
TDG		
UN-No	UN1993	
Hazard Class	3	
Packing Group	III	
IATA		
UN-No	1993	
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.*	
Hazard Class	3	
Packing Group	III	
IMDG/IMO		
UN-No	1993	
Proper Shipping Name	Flammable liquid, n.o.s.	
Hazard Class	3	
Packing Group		
	15 Description information	

15. Regulatory information

#### International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Methyl para-cresol	Х	Х	-	203-253-7	-		Х	Х	Х	Х	Х

Legend: X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

#### U.S. Federal Regulations

TSCA 12(b)	Not applicable
SARA 313	Not applicable
SARA 311/312 Hazard Categories	See section 2 for more information

CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
<b>OSHA</b> Occupational Safety and Health Not applicable	Administration
CERCLA	Not applicable
California Proposition 65	This product does not contain any Proposition 65 chemicals
U.S. State Right-to-Know Regulations	Not applicable
U.S. Department of Transportation	
Reportable Quantity (RQ):	N

# DOT Marine PollutantNDOT Severe Marine PollutantN

#### **U.S. Department of Homeland Security**

This product does not contain any DHS chemicals.

#### Other International Regulations

Mexico	-	Grade
IN CAIGO		O uuu

Moderate risk, Grade 2

16. Other information				
Prepared By	Regulatory Affairs Thermo Fisher Scientific Email: EMSDS.RA@thermofisher.com			
Revision Date Print Date Revision Summary	18-Jan-2018 18-Jan-2018 This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).			

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# **End of SDS**