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MATERIAL SAFETY DATA SHEET (MSDS)**O-TOLUIC ACID (FOR SYNTHESIS) (2-METHYLBENZOIC ACID)****1 - Chemical Product**

MSDS Name: o-Toluic Acid
Synonym: O-Methylbenzoic Acid, 2-Methylbenzoic Acid, orthotoluylic Acid

Cas NO: 118-90-1

Product Coad: T0208400500

Molecular Formula: CH₃C₆H₄COOH
Molecular Weight: 136.0548

2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
118-90-1	Benzoic acid, 2-methyl-	100.0	204-284-9

3 - HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Harmful if swallowed. The toxicological properties of this material have not been fully investigated.

Potential Health Effects

Eye: May cause eye irritation. Skin: May cause skin irritation.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.

The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic: Prolonged or repeated skin contact may cause dermatitis.

4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

5 - FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Combustible liquid. Can form explosive mixtures at temperatures above the flashpoint.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

7 - HANDLING and STORAGE

Handling: Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits CAS# 118-90-1: Personal Protective Equipment Eyes: Wear safety glasses and chemical goggles if splashing is possible.

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin. Respirators: Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

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MATERIAL SAFETY DATA SHEET (MSDS)**O-TOLUIC ACID (FOR SYNTHESIS) (2-METHYLBENZOIC ACID)****9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Solid
Color: off-white to light yellow
Odor: Not available.
pH: Not available.
Vapor Pressure: Not available.
Viscosity: Not available.
Boiling Point: 259 deg C
Freezing/Melting Point: 102 deg C
Autoignition Temperature: Not available.
Flash Point: Not applicable.
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water: Slightly soluble in water.
Specific Gravity/Density:

10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures. Conditions to Avoid: Incompatible materials. Incompatibilities with Other Materials:
Strong oxidizing agents, strong bases. Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide. Hazardous Polymerization: Has not been reported.

11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 118-90-1: XU1400000 LD50/LC50:
Not available.
Carcinogenicity: Benzoic acid, 2-methyl- - Not listed by ACGIH, IARC, or NTP.
Other: See actual entry in RTECS for complete information.

12 - ECOLOGICAL INFORMATION**13 - DISPOSAL CONSIDERATIONS**

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

14 - TRANSPORT INFORMATION

Not regulated

15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XN
Risk Phrases:
R 22 Harmful if swallowed.
Safety Phrases:
S 24/25 Avoid contact with skin and eyes.
WGK (Water Danger/Protection)
CAS# 118-90-1: 1
Canada
CAS# 118-90-1 is listed on Canada's DSL List.
CAS# 118-90-1 is not listed on Canada's Ingredient Disclosure List.
US FEDERAL
TSCA
CAS# 118-90-1 is listed on the TSCA inventory.

16. Other Information

Product Use: Laboratory Reagent.

MATERIAL SAFETY DATA SHEET (MSDS)

O-TOLUIC ACID (FOR SYNTHESIS) (2-METHYLBENZOIC ACID)

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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