



Material Safety Data Sheet

METHYLTETRAHYDRO
PHTHALIC ANHYDRIDE
MSDS NO.:WSX20251201

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: METHYLTETRAHYDROPHTHALIC ANHYDRIDE
Product No.: WNY1001,WNY1002,WNY1008,FHY906,FHY910,ANY1001.ANY1002,ANY1008
Product use: The necessity to electronic industry, mechanical industry, widely used in encapsulation, casting, package, lamination, molding, bonding, enlace and so on.

Supplier Information

Company Name: JIAXING NANYANG WANSHIXING CHEMICAL CO., LTD
Address: NO. 458, WEST SHICHANG ROAD, ZHAPU HARBOR AREA, JIAXING, ZHEJIANG,CHINA. 314201
Tel: 0086-573-85583898
Fax: 0086-573-85533289
Website: <https://www.jxnychemical.com>
Email: jx_zjl@163.com
Emergency Telephone: 0086-532-83889090

2. HAZARDS IDENTIFICATION

Classification of the GHS

PHYSICAL HAZARDS: Not classified
HEALTH HAZARDS
Acute toxicity: Category 5
Skin corrosion/irritation: Category 2
Serious eye damage/eye irritation: Category 1
Respiratory sensitization: Category 1
Skin sensitization: Category 1
ENVIRONMENTAL HAZARDS: Not classified

GHS label elements

Pictograms or hazard symbols



Signal word

Danger

Hazard statement:

Causes skin irritation
Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction



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Precautionary statements:

- [Prevention]** Avoid breathing.
Contaminated work clothing should not be allowed out of the workplace.
Wash hands thoroughly after handling.
In case of inadequate ventilation wear respiratory protection.
Wear protective gloves/eye protection/face protection.
- [Response]** IF INHALED: If breathing is difficult, remove victim 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.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Gently wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
- [Disposal]** Dispose of contents/container through a waste management company authorized by the local government

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation: Substance

Chemical Name	Content/%	CAS NO.	EC NO.	Phrases & Classification
tetrahydromethylphthalic anhydride	99	11070-44-3	234-290-7	Xi; R41-R42/43

Note: Full text of risk phrases appearing in section 3: see section 16.

4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water for at least 15 minutes Remove and wash contaminated clothing before re-use Consult a physician Call a physician immediately

Ingestion: Do not induce vomiting without medical advice.

Eye contact: Rinse immediately with plenty of water, also under the eyelids. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Protection of first-aiders: No information available



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Medical conditions aggravated by exposure: None known

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO₂, water spray or "alcohol" foam

Specific hazards: Burning produces irritant fumes.

Unusual hazards: None known

Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Specific methods: Water mist may be used to cool closed containers.

Flash point: 158°C

Autoignition temperature: Not determined

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Storage:

ROOM TEMPERATURE

Handling: Use only in area provided with appropriate exhaust ventilation.

Safe handling advice: Wear personal protective equipment. Remove and wash contaminated clothing before reuse.

Technical measures/storage conditions: Keep containers tightly closed in a cool, well-ventilated place. Keep container tightly closed in a dry and well ventilated place.

Incompatible products: Oxidizing and spontaneously flammable products.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

Hand protection: PVC or other plastic material gloves

Skin and body protection: Impervious clothing

Eye protection: Goggles

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C):	Liquid
Form:	Clear liquid
Color:	Slight yellow
Odor:	Slight irritate
pH:	No data available.
Melting point/freezing point:	No data available.
Boiling Point/Range:	~290°C
Flash Point:	158°C
Explosive limits	
Lower:	No data available
Upper:	No data available
Density:	1.21±0.05g/cm ³
Solubility:	No data available.
Molecular weight:	166.178
Viscosity:	≤0.060Pa.s 25°C
VOC content:	≤25mg/m ³

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Polymerization: None under normal processing.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors such as carbon oxides.

Materials to avoid: Strong oxidizing agents

Conditions to avoid: Exposure to air or moisture over prolonged periods.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Components	RTECS Number:	Selected LD50s and LC50s
METHYLTETRAHYDROPHthalic ANHYDRIDE	TI3325000	Oral LD50 Rat : 2140 uL/kg Dermal LD50 Rabbit : 1410 uL/kg

Chronic toxicity: Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

Local effects: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.



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Specific effects: May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

Primary irritation: A primary irritant.

Carcinogenic effects: No data is available on the product itself.

Mutagenic effects: No data is available on the product itself.

Reproductive toxicity: No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Fish: No data available

Crustacea: No data available

Algae: No data available

Persistence / degradability: No data available

Bioaccumulative potential (BCF): No data available

Mobility in soil

Log Pow: No data available

Soil adsorption (Koc): No data available

Henry's Law constant (PaM³/mol): No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Contaminated packaging: Do not re-use empty containers

Methods for cleaning up: Soak up with inert absorbent material.

14. TRANSPORT INFORMATION

The preparation is not classified as dangerous goods.

Proper shipping name: None

Hazard class: NA

Packing group: NA

Identification number: Not regulated

Transportation notes:

Transport should be to prevent crashing, so as not to break skin barrels, against rain, sun. One year storage period is limited to the date of manufacture, if properly maintained; moisture absorption or turbidity produced after crystallization is required



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to open and then heated, that is, restitution, without affecting the original performance. Plastic drum, and can only be stacked in storage layer, and be neatly stacked.

15. REGULATORY INFORMATION

International Inventories

Components

METHYLTETRAHYDROPHTHALIC ANHYDRIDE

Inventory - United States TSCA - Sect. 8(b)	Present
Inventory - China:	Present
EU EINECS List:	247-830-1; C9H10O3
Inventory - Japan:	3-2451; 3-2479
Canada DSL Inventory List:	Present
Australia (AICS):	Present
Korean KECL:	KE-25352
Philippines PICCS:	Present

16. OTHER INFORMATION

Risk phrases in section 3:-

R41: R41 Risk of serious damage to the eyes.

R42/43: R42/43: May cause sensitization by inhalation and skin contact.

Issue Date: 2025-12-01

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

*** END OF MSDS ***