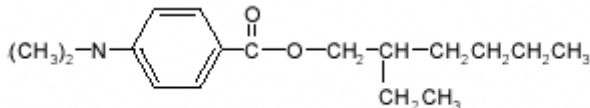




UNIPROMA CHEMICAL CO., LIMITED

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TECHNICAL DATA SHEET



1. Trade name:	Sunsafe-EHA (USP)
2. Other names:	2-Ethylhexyl-4-dimethylaminobenzoate; Ethylhexyl Dimethyl PABA;
3. Molecular formula:	$\text{C}_{17}\text{H}_{27}\text{O}_2\text{N}$
4. Molecular weight:	277.4
5. CAS no. :	21245-02-3
6. Purity GC %:	98.0 min
7. Assay TTR %:	97.0 - 103.8
8. Refractive index $n_{25/D}$:	1.5390 - 1.5430
9. Density $d_{25/25}$:	0.990 - 1.000
10. Acid value mgKOH/g:	1.0 max
11. Saponification value:	195 - 215
12. Package:	200kg net per HDPE drum, 16,000kgs net per 20', palletized and shrink-rapped.
Application: Ultraviolet absorber.	



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Sunsafe-EHA (USP)

Chemical name: 2-Ethylhexyl-4-dimethylaminobenzoate

CAS no.: 21245-02-3

Batch no.: U20090202-2

Manufacturing date: 2 Feb, 2009

Expiry date: 1 Feb, 2010

Quantity: 1000kg

Items	Specification	Results
1 Purity GC %:	98.0 min	99.1
2 Assay TTR %:	97.0 - 103.8	98.0
3 Refractive index n ₂₅ /D:	1.5390 - 1.5430	1.5406
4 Density d ₂₅ /25:	0.990 - 1.000	0.9991
5 Acid value mgKOH/g:	1.0 max	0.24
6 Saponification value:	195 - 215	209
Conclusion:	Pass	



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MATERIAL SAFETY DATA SHEET

Section 1 - Chemical Product and Company Identification

Trade name: Sunsafe-EHA (USP)

Product Name: Padimate O

Synonym: Padimate O; Octyl dimethyl PABA

Company Identification:

Uniproma Chemical Co., Limited

2-1101, 259 Greenland Avenue, Huaqiao, Kunshan, Suzhou, Jiangsu, 215332 China.

Tel: 86-21-34224291 34228743

Fax: 86-21-54801476

E-mail: info@uniproma.com

Website: www.uniproma.com

Section 2 - Composition, Information on Ingredients

Composition:

CAS no.	Chemical Name	Content %
21245-02-3	Padimate O	98% min

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Potential Acute Health Effects:

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye:

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Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin:

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin:

Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:

Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: CLOSED CUP: 198.89°C (390°F).

Flammable Limits: Not available.

Products of Combustion:

These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

Fire Hazards in Presence of Various Substances:

Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

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Section 6: Accidental Release Measures

Small Spill:

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/ vapor/spray. Keep away from incompatibles such as oxidizing agents.

Storage:

Light Sensitive. Store in a light resistant container. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 23deg C (73.4°F)

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Safety glasses. Lab coat.

Personal Protection in Case of a Large Spill: Splash goggles.

Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid

Odor: Amine like. (Slight.)

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Taste: Not available.

Molecular Weight: 277.4 g/mole

Color: pale yellow liquid

PH (1% soln/water): Not applicable.

Boiling Point: 362deg C (683.6°F)

Melting Point: Not available.

Critical Temperature: Not available.

Specific Gravity: 0.99 (Water = 1)

Vapor Pressure: Not available.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff. : Not available.

Lonicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry:

Absorbed through skin, eye contact.

Toxicity to Animals:

LD50: Not available.

LC50: Not available.

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Chronic Effects on Humans:

Not available.

Other Toxic Effects on Humans:

Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

Could not locate references on possible reproductive or lactation effects.

Teratogen Information:

Teratogenic risk to child born after exposure during gestation is undetermined.

A small risk cannot be excluded, but a high risk of congenital anomalies in the children of women treated with Padimate O during pregnancy is unlikely. No epidemiological studies of congenital anomalies in infants born to women who used Padimate O has been published. No animal teratology studies of Padimate O have been published.

Special Remarks on other Toxic Effects on Humans:

Acute Effects:

Possible eye, skin, gastrointestinal and/or respiratory tract irritation.

Chronic Effects/Medical Conditions Aggravated by Exposure: Possible hypersensitization.

Adverse Effects:

Possible allergic reaction to material is inhaled, ingested or in contact with skin.

Cross Sensitivity:

Persons sensitive to artificial sweeteners, ester-type anesthetics, para-amino azo dyes, sulfonamides or thiazide diuretics may be sensitive to this material also.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation:

The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

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Waste Disposal.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:

TSCA 8(b) inventory: Padimate O

Other Regulations:

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):

Not controlled under WHMIS (Canada).

DSCL (EEC):

This product is not classified according to the EU regulations.

Not applicable.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: a

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard: Protective Equipment: Not applicable.

Lab coat: Not applicable.

Safety glasses:

Section 16: Other Information

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References: Not available.

Other Special Considerations: Not available.

Last Updated: 10/10/2005

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