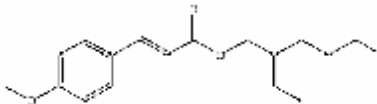




UNIPROMA CHEMICAL CO., LIMITED

2-1101, 259 Greenland Avenue, Huaqiao,
Kunshan, Suzhou, Jiangsu, 215332 China.
Tel: 86-21-3422 4291, 3422 8743 Fax: 86-21-5480 1476
Email: info@uniproma.com Website: www.uniproma.com

TECHNICAL DATA SHEET



1. Trade name:	Sunsafe-OMC
2. Other name:	Octyl p-methoxycinnamate; Ethylhexyl Methoxycinnamate;
3. Molecular formula:	C ₁₈ H ₂₆ O ₃
4. Molecular weight:	290.40
5. CAS no. :	5466-77-3
6. Appearance:	Pale yellow oily liquid
7. Colour on lovibond,1 "cell on Y+5R:	2.0 max
8. Identification :	Infra red fingerprint should match with that of standard
9. Extinction coefficient @ 310 nm:	835 - 865
10. Specific gravity @ 20°C:	1.005 - 1.013
11. Refractive index @ 20°C:	1.542 - 1.548
12. Solubility:	Soluble in Ethanol & IPA
13. Assay (%by G.C):	98.0 min
14. Sap value, mgs of KOH/gm:	180 - 200
15. Acid value, mg of KOH/gm:	1 max
16. Package:	235kgs net per drum, 18,800kgs net per 20', palletized and shrink-rapped.
Application: I Ultraviolet absorber.	

****Value for Your Global Supply Chain****



UNIPROMA CHEMICAL CO., LIMITED

2-1101, 259 Greenland Avenue, Huaqiao,
Kunshan, Suzhou, Jiangsu, 215332 China.
Tel: 86-21-3422 4291, 3422 8743 Fax: 86-21-5480 1476
Email: info@uniproma.com Website: www.uniproma.com

Sunsafe-OMC

Chemical name: Octyl P-methoxycinnamate

CAS no.: 5466-77-3

Batch no.: U20090121-1

Manufacturing date: 9 Feb 2010

Expiry date: 8 Feb, 2012

Quantity: 1000kgs

Items	Specification	Results
1. Appearance:	Pale yellow oily liquid	Pass
2. Colour on lovibond,1 "cell on Y+5R:	2.0 max	Pass
3. Identification :	Infra red fingerprint should match with that of standard	Pass
4. Extinction coefficient @ 310 nm:	835 - 865	859.780
5. Specific gravity @ 20°C:	1.005 - 1.013	1.0096
6. Refractive index @ 20°C:	1.542 - 1.548	1.546
7. Solubility:	Soluble in Ethanol & IPA	Pass
8. Assay (%by G.C):	98.0 min	98.60
9. Sap value, mgs of KOH/gm:	180 - 200	191.98
10. Acid value, mg of KOH/gm:	1 max	0.072
Conclusion:	Pass	



UNIPROMA CHEMICAL CO., LIMITED

2-1101, 259 Greenland Avenue, Huaqiao,
Kunshan, Suzhou, Jiangsu, 215332 China.
Tel: 86-21-3422 4291, 3422 8743 Fax: 86-21-5480 1476
Email: info@uniproma.com Website: www.uniproma.com

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical Product and Company Identification

Trade name: Sunsafe-OMC

Product name: Octyl p-methoxycinnamate

INCI name: Ethylhexyl Methoxycinnamate

Synonyms: Octyl Methoxycinnamate

Molecular weight: 290.40

Molecular formula: C₁₈H₂₆O₃

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

CAS no.	Product name	%	EINECS no.
5466-77-3	Octyl p-methoxycinnamate	98% min	226-775-7

Section 3 - Hazards Identification

NFPA Ratings (Scale 0-4): Health = 1 Fire = 1 Reactivity = 0

Major Health Hazards: No significant target effects reported.

Physical Hazards: Dust/air mixtures may ignite or explode.

****Value for Your Global Supply Chain****



UNIPROMA CHEMICAL CO., LIMITED

2-1101, 259 Greenland Avenue, Huaqiao,
Kunshan, Suzhou, Jiangsu, 215332 China.
Tel: 86-21-3422 4291, 3422 8743 Fax: 86-21-5480 1476
Email: info@uniproma.com Website: www.uniproma.com

Potential Health Effects:

Avoid contact with eyes and skin. Wash thoroughly after handling.

As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

Section 4 - First Aid Measure

Skin Contact:

Wash off with soap and plenty of water. Do not use organic solvents. In case of dermatitis, seek medical attention.

Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.

Inhalation:

Move to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. In case of indisposition, seek medical attention. In case of prolonged exposure, seek medical attention.

Ingestion:

Immediately give plenty (>500 ml) of water (if possible charcol slurry). In case of spontaneous vomiting be sure that vomitus can freely drain due of danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical advice.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media:

Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

Extinguishing Media Which Must Not Be Used for Safety Reasons



UNIPROMA CHEMICAL CO., LIMITED

2-1101, 259 Greenland Avenue, Huaqiao,
Kunshan, Suzhou, Jiangsu, 215332 China.
Tel: 86-21-3422 4291, 3422 8743 Fax: 86-21-5480 1476
Email: info@uniproma.com Website: www.uniproma.com

High volume water jet.

Fire and Explosion Hazards:

Slight fire hazard. Dust/air mixtures may ignite.

Special Protective Equipment for Firefighters:

Wear full protective clothing. Wear self-contained breathing apparatus.

Hazardous Decomposition Products:

Oxides of carbon, toxic gases/vapours.

Section 6 - Accidental Release Measures

Personal Precautions:

Do not breathe vapors/dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

Environmental Precautions:

Do not flush into surface water, sanitary sewer or ground water system.

Methods for Cleaning Up:

Use mechanical handling equipment. Collect the spilled product into suitable containers, which must be tightly sealed and properly labelled. Avoid dust formation.

Section 7 - Handling and Storage

Handling:

Use methods to minimize dust.

Storage:



UNIPROMA CHEMICAL CO., LIMITED

2-1101, 259 Greenland Avenue, Huaqiao,
Kunshan, Suzhou, Jiangsu, 215332 China.
Tel: 86-21-3422 4291, 3422 8743 Fax: 86-21-5480 1476
Email: info@uniproma.com Website: www.uniproma.com

Store and handle in accordance with all current regulations and standards. Store in a cool, dry place. Store in a well-ventilated area. Keep container tightly closed. Keep separated from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Exposure Limit(s):

None listed in ACGIH, NIOSH and OSHA.

Technical Measures / Precautions:

Exposure limit(s) should be monitored using suitable analytical equipments.

Respiratory Protection:

Effective dust mask.

Hand Protection:

Protective gloves.

Eye Protection:

Suitable goggles or face protection.

Skin and Body Protection:

Working clothes, closed footwear.

Section 9 - Physical and Chemical Properties

Appearance: Pale yellow oily liquid

Form: Liquid

Odour: Practically odourless.

Melting Point: Not applicable.

Flash Point: 193°C (379°F)

****Value for Your Global Supply Chain****



UNIPROMA CHEMICAL CO., LIMITED

2-1101, 259 Greenland Avenue, Huaqiao,
Kunshan, Suzhou, Jiangsu, 215332 China.
Tel: 86-21-3422 4291, 3422 8743 Fax: 86-21-5480 1476
Email: info@uniproma.com Website: www.uniproma.com

Vapor Density: Not determined

Density: 1.005-1.013 g/cm³ (20°C)

Solubility in water: 0.2 mg/l (20°C)

PH Value: Not available

Solidification point: <-25°C

log P(oct): 6.1

Refractive index: 1.542-1.548

Section 10 - Stability and Reactivity

Chemical Stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid:

Static discharges, incompatible materials, dust generation, excess heat.

Materials to Avoid:

Strong bases and strong oxidizing agents.

Hazardous Decomposition Products:

Oxides of carbon, irritating and toxic fumes/gases.

Section 11 - Toxicological Information

Acute Toxicity:

LD50:

Oral rat: >20000mg/kg.

LD50:

****Value for Your Global Supply Chain****



UNIPROMA CHEMICAL CO., LIMITED

2-1101, 259 Greenland Avenue, Huaqiao,
Kunshan, Suzhou, Jiangsu, 215332 China.
Tel: 86-21-3422 4291, 3422 8743 Fax: 86-21-5480 1476
Email: info@uniproma.com Website: www.uniproma.com

Dermal rat: >5000mg/kg.

NOEL

Oral rat: >450mg/kg.

Carcinogenicity:

Not listed by ACHIH, IARC, NIOSH, NTP and OSHA.

Health Effects:

Skin irritation test (rabbit): No irritation. Nonphototoxic.

Eye irritation test (rabbit): No irritation.

Sensitization test(quinea pig): No sensitizing potential.

Further toxicological information:

No mutagenic properties suspected.

Bacterial mutagenicity:

Ames-Test: No indication of mutagenic activity.

No teratogenic properties suspected.

Experience in man:No sensitizing effect. No irritation.

Further data:

The product should be handled with the care usual when dealing with chemicals.

Section 12 - Ecological Information

Biologic degradatin:

Readily biodegradable.

Behavior in environmental compartments:

Log P(oct): 6.1.

An appreciable bioaccumulation potential is to be expected(log P(o/w)>3).

****Value for Your Global Supply Chain****



UNIPROMA CHEMICAL CO., LIMITED

2-1101, 259 Greenland Avenue, Huaqiao,
Kunshan, Suzhou, Jiangsu, 215332 China.
Tel: 86-21-3422 4291, 3422 8743 Fax: 86-21-5480 1476
Email: info@uniproma.com Website: www.uniproma.com

Ecotoxic effects:

Fish toxicity: Br.rerio

LC50: >10000mg/1/96 h.

Daphnia toxicity: Daphnia magna EC0: 1 mg/1/48 h.

Bacterial toxicity: bacteria EC50: >10000mg/1.

Further ecologic data:

When introduced properly, no impairments in the function of adapted biological waste -water- treatment plants are to be expected.

No ecological problems are to be expected when the product is handled and used with due care and attention.

Section 13 - Disposal Considerations

Waste from Residues / Unused Products:

Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.

Contaminated Packaging:

Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

Section 14 - Transport Information

ADR/RID CLASS: FREE

IMO CLASS: FREE

ICAO CLASS: FREE

****Value for Your Global Supply Chain****



UNIPROMA CHEMICAL CO., LIMITED

2-1101, 259 Greenland Avenue, Huaqiao,
Kunshan, Suzhou, Jiangsu, 215332 China.
Tel: 86-21-3422 4291, 3422 8743 Fax: 86-21-5480 1476
Email: info@uniproma.com Website: www.uniproma.com

Section 15 - Regulatory Information

Classification: Self-classification.

European Hazard Symbols: N/A

Risk Phrases: N/A

S-Phrase(s):

S24 Avoid contact with skin.

S25 Avoid contact with eyes.

NFPA RATINGS

Health: 1;

Flammability: 1;

Instability: 0

Regulatory Status

US: 2.0~7.5% in combination

EU: 10% max.

Brazil: 10%

Australia: Approved

Japan: Approved

Section 16 - Other Information

Important:

Last Updated: 10/11/2006

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the

****Value for Your Global Supply Chain****



UNIPROMA CHEMICAL CO., LIMITED

2-1101, 259 Greenland Avenue, Huaqiao,

Kunshan, Suzhou, Jiangsu, 215332 China.

Tel: 86-21-3422 4291, 3422 8743 Fax: 86-21-5480 1476

Email: info@uniproma.com Website: www.uniproma.com

information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.