

**Material Safety Data Sheet**

EPA779

**INTERPLUS 770 CURING AGENT**

Revision Date 09/12/05

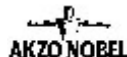
**1. Product and company identification**

<b>Product Name</b>	INTERPLUS 770 CURING AGENT
<b>Product Code</b>	EPA779
<b>Intended use</b>	Refer Technical Data Sheet. For professional use only.
<b>Application Method</b>	Refer Technical Data Sheet.
<b>Company Name</b>	International Paint Pte Ltd. E-Town Bldg, 364 Cong Hoa, Ward 13 Dist. Tan Binh, Ho Chi Minh City SR Viet Nam
<b>Telephone No.</b>	08-8120499
<b>Fax No.</b>	08-8120498
<b>24 hour Emergency Telephone No.</b>	08-8120499

**2. Hazard Identification**

Harmful by inhalation and if swallowed.  
Causes burns.  
May cause sensitisation by skin contact.

Further information is given in section 11.



All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Akzo Nobel however makes no warranty as to the accuracy of and/or sufficiency of such information.

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**3. Composition / information on ingredients**

This product contains the following hazardous substances.

<b>Ingredient</b>	<b>CAS Number</b>	<b>Concentration Range%</b>	<b>Symbol(s)</b>	<b>Risk phrases (*)</b>
Benzyl alcohol	000100-51-6	25-50	Xn	R20/22
Isophorone diamine	002855-13-2	10-25	C	R21/22, R34, R43, R52/53
M-xylolenediamine	001477-55-0	2.5-10	C	R34, R43
Nonylphenol	025154-52-3	2.5-10	C	R22, R34
p-tert.butyl phenol	000098-54-4	10-25	Xn	R22, R36/37/38
Trimethylhexamethylenediamine	025620-58-0	2.5-10	C	R22,R34,R43

Total may not equal 100%. The rest of the ingredients in this product are classified as non hazardous.

\* The full text of the above phrases are shown in section 16.

**4. First aid measures****General**

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

**Inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eye Contact**

Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.

**Skin Contact**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised skin cleanser. Do NOT use solvents or thinners.

**Ingestion**

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.



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**5. Fire-fighting measures**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.

Do not use - water jet.

Note; Fire will produce dense black smoke. Decomposition products may be hazardous to health. Avoid exposure and use breathing apparatus as appropriate.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

**6. Accidental release measures**

Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8.

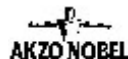
Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to relevant State and Federal regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the relevant Environment Protection Agency.

Empty containers may contain product residues, including flammable or explosive vapours. Do not cut, puncture or weld on or near containers. All label warnings must be observed until the containers have been cleaned or reconditioned.



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**7. Handling and storage****Handling****In Storage**

Handle containers carefully to prevent damage and spillage.

**In Use**

Avoid skin and eye contact. Avoid inhalation of vapours and spray mists. Observe label precautions. Use personal protection as shown in section 8.

Smoking, eating and drinking should be prohibited in all preparation and application areas.

Never use pressure to empty a container; containers are not pressure vessels.

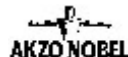
**Storage**

Store in a well ventilated, dry place away from sources of heat and direct sunlight.

Store on concrete or other impervious floor, preferably with bunding to contain any spillage. Do not stack more than 3 pallets high.

Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in the original container or one of the same material.

Prevent unauthorised access.



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**8. Exposure controls and personal protection****Engineering Measures**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapour below occupational exposure limits suitable respiratory protection must be worn.

**Exposure Limits**

Exposure standards are those provided by the ACGIH (American Conference of Government Industrial Hygienists).

Material	Short term (15 min. ave)		Long term (8hr time weighted average)	
	ppm	mg/M3	ppm	mg/M3

Key to notification

- (P) Peak exposure limit
- (R) Suppliers Recommended Limit
- (Sk) There is a risk of absorption through unbroken skin
- (Sen) Sensitiser
- (Cat1) Category 1 - established human carcinogen
- (Cat2) Category 2 - probable human carcinogen
- (Cat3) Category 3 - substances suspected of having carcinogenic potential

**Personal Protection****Respiratory Protection**

When concentrations exceed the exposure limits shown above, workers must wear appropriate approved respirators. Provision of other controls such as exhaust ventilation should be considered if practical.

**Eye Protection**

Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids. Eyewear should comply with an approved standard.

Wear a full face shield if mixing or pouring operations pose a risk of splashes.

An eye wash station is suggested as a good work place practice.

**Hand Protection**

Gloves of an appropriate material should be worn during mixing and application.

**Skin Protection**

Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. Barrier creams may help to protect areas which are difficult to cover such as the face and neck. They should however not be applied once exposure has occurred. Petroleum jelly based types such as Vaseline should not be used. All parts of the body should be washed after contact.



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**9. Physical and chemical properties**

<b>Physical State</b>	Liquid
<b>Colour</b>	Coloured
<b>Flash Point (C)</b>	102
<b>Autoignition temperature</b>	0
<b>Specific Gravity</b>	1.02233
<b>Solvent Weight %</b>	0.00
<b>Vapour Density</b>	Heavier than air.
<b>Lower Explosive Limit %</b>	0.0
<b>Solubility in Water</b>	Immiscible
<b>R.A.Q. to ventilate to 10% of the LEL (M3/l)</b>	0
<b>Odour</b>	Smell of Amine

**10. Stability and reactivity**

Stable under recommended storage and handling conditions (see section 7). When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid possible exothermic reactions.

**11. Toxicological information**

There are no data available on the product itself.

Amine based materials may cause skin irritation and sensitisation.



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**12. Ecological information**

There are no data available on the product itself.

The product should not be allowed to enter drains or water courses.

**13. Disposal considerations**

Do not allow into drains or water courses. Wastes and empty containers should be disposed of in accordance with State and Federal regulations.

Using information provided in this data sheet advice should be obtained from the local Waste Regulation Authority as to whether special waste regulations apply.

**14. Transport information**

Transport only in accordance with the following regulations:

Road and Rail Transport : 1760, Corrosive Liquid, N.O.S. (Isophorone diamine & m-Xylylenediamine), 8, III

IMDG reference :	Class/Div.	8	Subsidiary Class
	Proper Shipping Name	Corrosive Liquid, N.O.S. (Isophorone diamine & m-Xylylenediamine)	
	UN No.	1760	MFAG 320
	Ems	F-A,S-B	
	Packaging Group	III	
	Marine pollutant	Yes	

ICAO/IATA	Shipping Name	Corrosive Liquid, N.O.S. (Isophorone diamine & m-Xylylenediamine)	
	Class	8	
	UN No.	1760	
	Packaging Group	III	



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**15. Regulatory information**

The following labelling information is provided in accordance with international guidelines for the labelling of hazardous substances.

**Symbol(s)**

Corrosive

**Contains;**

Benzyl alcohol

Isophorone diamine

M-xylylenediamine

Trimethylhexamethylenediamine

**R. Phrases;**

Harmful by inhalation and if swallowed.

Causes burns.

May cause sensitisation by skin contact.

**S. Phrases;**

S9 - Keep container in a well-ventilated place.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**P. Phrases;**

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**16. Other information**

The information on this MSDS is based upon the present state of our knowledge and on current law.  
The product should not be used for purposes other than shown in the product data sheet without first obtaining written advice.

It is always the responsibility of the user to take all necessary steps to meet the demands of applicable legislation.

The information in this Material Safety Data Sheet is required according to legislation.

The full text of the R phrases appearing in section 3 is:

R20/22 Harmful by inhalation and if swallowed.

R21/22 Harmful in contact with skin and if swallowed.

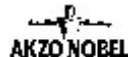
R22 Harmful if swallowed.

R34 Causes burns.

R36/37/38 Irritating to eyes, respiratory system and skin.

R43 May cause sensitisation by skin contact.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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