



Product name: IPG™
Product code:
Printing date: 05/04/2003
Revision date: 1/1/2007

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version no. 0001

01 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Trade name: IPG™
Product code:
Intended use: Optical waveguide manufacture
Customer article no:
Manufacturer: RPO Pty Ltd,
Innovations building
124 Eggleston Rd
Acton
ACT 0200, AUSTRALIA
Emergency phone no: +61 (0)2 6125 4968
Poisons Information Centre: Tel. 131126
Australian Supplier: See Manufacturer details

02 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation:

Reactive Branched-Chain Polysiloxane

Name	CAS no.	% (weight)	R phrases
Trade Secret	-	>99	36/37/38

03 HAZARDS IDENTIFICATION

Indication of danger: Xi - Irritant

Hazards

Inhalation Aerosols/mists/vapours will cause irritation to the respiratory system
Skin Contact with the skin will cause irritation to the skin.
Eyes Contact with the eyes will cause irritation to the eyes.
Ingestion May cause irritation to the upper gastrointestinal tract if swallowed.



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04 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 patient to fresh air and seek medical assistance. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position.

SKIN CONTACT

Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

EYE CONTACT

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

INGESTION

Immediately rinse mouth and then drink a plenty of water. Do not induce vomiting. Keep patient warm and at rest and call a doctor immediately.

05 FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Foam, carbon dioxide, powders, water spray. Do not allow run-off from fire fighting to enter drains or watercourses.

UNSUITABLE EXTINGUISHING METHOD:

Water jet

SPECIAL HAZARDS DUE TO THE SUBSTANCE, ITS DECOMPOSITION PRODUCTS OR GASES PRODUCED BY FIRE:

Due to the organic compound content of the preparation, fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

SPECIAL PROTECTIVE EQUIPMENT

Appropriate breathing apparatus may be required. Cool closed containers in the vicinity of the source of fire.



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06 ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE MEASURES

Refer to protective measures listed in sections 7 and 8.

MEASURES TO PROTECT THE ENVIROMENT

Do not allow to enter drains or watercourses. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

CLEANING MEASURES

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable labelled container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents.

07 HANDLING AND STORAGE

HANDLING

Instructions for safe handling:

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist.

Do not smoke, eat or drink when handling this substance.
For personal protection see section 8. Comply with the health and safety at work laws.

STORAGE

Keep container dry and tightly closed in a cool well-ventilated place.
Containers that are opened must be carefully resealed and kept upright to prevent leakage.
No smoking. Prevent unauthorised access.

Information on combined storage
Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Additional information on storage conditions:
Always keep in containers of same material as the original one.

Observe label precautions. Store in a well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition.

Storage temperature: < 40 deg. C



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08 EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES

Due to the low volatility of the polymer no engineering measures are required for normal use. If there is a likelihood of fumes/mists or aerosols being generated during handling general extraction should be employed to prevent the risk of respiratory irritation.

OCCUPATIONAL EXPOSURE LIMITS

No exposure standards have been set for this polymer.

PERSONAL PROTECTION

Respiratory protection:

None required under normal conditions of use. If workers are at risk of inhalational exposure appropriate certified respirators should be worn.

Hand protection/body protection

Use suitable protective gloves, e.g. plastic or rubber gloves. Wear overalls when handling bulk quantities

Eye protection

Wear appropriate safety glasses or goggles.

09 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	liquid
Colour	:	colourless to amber
Boiling temperature / range	:	n.d.a.
Melting point / range	:	n.d.a.
Flash point	:	combustible
Ignition temperature	:	> 200 deg. C
Vapour pressure	:	n.d.a.
Density	:	
Solubility in water	:	not miscible
Viscosity	:	



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10 STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions.

CONDITIONS TO BE AVOIDED

May decompose on exposure to moisture

SUBSTANCES TO BE AVOIDED

Avoid contact with acids and alkalis

DECOMPOSITION PRODUCTS

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and oxides of silicon.

11 TOXICOLOGICAL INFORMATION

The toxicological properties of this substance are yet to be determined. Health hazards have been determined on the basis of the toxicological properties of constituent monomers that combine to form reactive pendant groups on the polymer. In the absence of animal data, it is anticipated that these groups will cause irritation to the eyes, skin and respiratory system.

12 ECOLOGICAL INFORMATION

Currently no data available on the product itself. The product should not be allowed to enter watercourses or the soil.

13 DISPOSAL CONSIDERATIONS

Always contact the local Waste Authority prior to disposal of bulk waste material and empty product containers.

DIRTY CONTAINERS

Recommendation:

Emptied containers should be recycled as scrap or reconditioned, as appropriate. Containers, which are not properly emptied, must be treated as special waste.



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14 TRANSPORT INFORMATION

TRANSPORT BY ROAD OR RAIL

Product is not classified as a dangerous good

SEA TRANSPORT

Product is not classified as a dangerous good

AIR TRANSPORT

Product is not classified as a dangerous good

15 REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with EC directives.

Danger symbol : Xi
Danger classification : Irritant

R phrases: 36/37/38 Irritating to the eyes/respiratory system and skin

Labelling for industrial users

S phrases: 23 - Do not breathe spray dust / solvent vapour.
26 - in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37 - Wear suitable protective clothing and gloves.
38 - In case of insufficient ventilation, wear suitable respiratory equipment.

16 OTHER INFORMATION

Explanation of abbreviations:

n.d.a. : no data available
n.a. : not applicable



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The product should not be used for purposes other than those shown in the Technical Data Sheet Without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information of this material safety data sheet is given for safety requirements only and is based on the present state of our knowledge. This data is not to be understood as a guarantee of specific properties of our product. It is always the responsibility of the user to take all steps necessary to comply with existing laws and regulations.