

Safety Data Sheet
According to Regulation (EU) No. 1907/2006, Annex II,
According to Regulation (EU) No. 1272/2008,
Amended by REGULATION (EU) No 453/2010

IPPD

SDS Record Number: **CSSS-TCO-010-110054**
Version 1.1 Revision date: 16/02/2011

Printing date: 16/02/2011

1 Identification of the substance and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: IPPD
Additional identification: N-isopropyl-N'-phenyl-1,4-phenylenediamine
Identification of the product: CAS#101-72-4; EC#202-969-7
Index Number: Not available
REACH registration No.: Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Used as rubber accelerator.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): Chemical Inspection & Regulation Service Limited
Supplier(Manufacturer): Shanghai Rokem Industrial Co., Ltd
Address: 9D, Double Dove Great Tower, 438, Pudian Road. Shanghai, 200122, P.R.CHINA
Contact person(E-mail): -
Telephone: +86-21-50812951
Fax: +86-21-58818728

1.4 Emergency telephone Number:

+86 800 2562 5688

Available outside office hours?

YES

NO

2 Hazards Identification

2.1 Classification of the substance

2.1.1 Classification:

The substance is classified as following according to 67/548/EEC and REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Acute Tox. 4	H302
Skin Sens. 1	H317
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

For full text of H- phrases: see section 2.2.

67/548/EEC	
Hazards characteristics	R-Phrases
Xn	R22
-	R43
N	R50/53

For full text of R- phrases: see section 16.

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2.1.2 The most important adverse effects

2.1.2.1 The most important adverse physicochemical effects:

Not applicable.

2.1.2.2 The most important adverse human health effects:

Harmful if swallowed.

May cause an allergic skin reaction.

2.1.2.3 The most important adverse environmental effects:

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

2.2 label elements

Hazard Pictograms:



Signal Word(S):

Warning

Hazard Statement:

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statement:

P264 Wash hand/clothing thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

P501 Dispose of contents/container to local regulations.

2.3 Other hazards

Not available (PBT,vPvB, Substance is an endocrine disruptor etc.)

3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
N-isopropyl-N'-phenyl-1,4-phenylenediamine	N/A	101-72-4	202-969-7	>95%

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4 First aid measures

4.1 Description of first aid measures:

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

4.1.1 In case of inhalation:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

4.1.2 In case of skin contact:

Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists or signs of toxicity occur, seek medical attention.

4.1.3 In case of eyes contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

4.1.4 In case of ingestion:

If swallowed, call a physician immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms can include redness, swelling, pain and tearing.

Inhalation of dust may cause respiratory tract irritation. May cause allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

If skin irritation or rash occurs, get medical advice/attention.

5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use water fog, carbon dioxide, foam or dry chemical.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance:

Emits toxic fumes under fire conditions: Carbon monoxide (CO), nitrous gases (NOx).

5.3 Advice for fire-fighters:

Fire fighters should wear full protective clothing, including self-contained breathing equipment. Fight fire from a safe distance and from a protected location. Use water spray to cool fire exposed surfaces. Decomposition in fire may produce toxic gases. Do not allow runoff to enter waterways.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Remove ignition sources. Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact. Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if mist, vapor or dust is generated.

6.2 Environmental Precautions:

Dike flow of spilled material using soil or sandbags to minimize contamination of drains, surface and ground waters. Do not

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allow material to be released to the environment without proper governmental permits.

6.3 Methods for Containment and Cleaning up:

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. Clean up affected area.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

6.5 Additional information:

Wet clean or vacuum up solids.

Don't use a brush or compressed air for cleaning surfaces or clothing.

Clear spills immediately.

7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Do not breathe dusts/vapor. Handle in well ventilated areas. Eliminate all sources of ignition, and do not generate flames or sparks. Take precautionary measures against static discharges.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in closed containers or wrap in brown paper with tray in a cool, dry, well-ventilated area. Store away from strong oxidizing materials, acids. Avoid exposure to direct sunlight. Store in air conditioning room preventing harden in summer. Storage at temperatures above 30°C is NOT recommended.

7.3 Specific end use(s):

Not applicable.

8 Exposure control/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Adequate ventilation should be provided to keep dust concentrations below acceptable exposure limits. Discharge from the ventilation system should comply with the applicable air pollutions control regulations.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection Wear safety glasses or goggles to protect against exposure.

Hand protection Use gloves as a standard industrial handling procedure. Appropriate chemical resistant antisepticise and acid and base resistant rubber gloves should be worn.

Body protection Wear suitable protective clothing to prevent skin exposure.

Respiratory protection Appropriate anti-dust respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

Thermal hazards Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls:

Chemical Inspection & Regulation Service Limited

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Avoid discharge into the environment. This material and its container must be disposed of as hazardous waste.

According to local regulations, Federal and official regulations.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	pastilles, flakes
Colour:	Dark red to brown
Odour:	characteristic(pungent)
Odour threshold:	Not available
pH:	9.3
Melting point/range (°C):	75°C
Boiling point/range (°C) :	148-152°C at 2.67 hpa
Flash point (°C) :	ca. 80°C
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not flammable
Ignition temperature (°C) :	Not determined
Upper/lower flammability/explosive limits:	Not determined
Vapour pressure:	0.00093 hPa at 50°C
Vapour density:	Not applicable
Relative Density (25°C):	Not available
Bulk density (kg/m ³) :	1.17 g/cm ³ (Water = 1)
Water solubility (g/l) at 25°C :	15 mg/L
n-Octanol/Water (log Po/w) :	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa s) :	Not determined
Explosive properties:	Not applicable
Oxidising properties:	Not applicable

9.2. Other information:

Fat solubility(solvent– oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

10 Stability and reactivity

10.1 Reactivity:

The substance is stable under normal storage and handling conditions.

10.2 Chemical stability:

Under normal conditions, the product is stable. No hazardous reaction when handled and stored according to provisions.
Hazardous reactions are not known.

10.3 Possibility of hazardous reactions:

Under normal conditions, not hazardous reactions will occur.

10.4 Conditions to avoid:

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High temperatures and contact with acids and oxidants. Heating > 100 °C: May catch fire.

10.5 Incompatible materials:

Strong oxidizing agents, acids.

10.6 Hazardous decomposition products:

Thermal decomposition products: carbon monoxide (CO), nitrous gases (NO_x).

11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution

Non-human toxicological data: Not available

Method: Not available

Dosis: Not available

Routes of administration: Not available

Results: Not available

Absorption: Not available

Distribution: Not available

Metabolism: Not available

Excretion: Not available

11.2 Information on toxicological effects

Acute toxicity:

LD50(Oral, Rat):	900 mg/kg
LD50(Dermal Rabbit):	> 7940 mg/kg
LD50(Inhalation, Rat):	Not available

Skin corrosion/irritation: Irritating to skin.

Serious eye damage/irritation: Irritating to eyes.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

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12 Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	0.34 mg/l	96h	Fish(Trout)	OECD 203	N/A	N/A
EC50	1.1 mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50	0.5 mg/l	96h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not applicable.
Bioaccumulative potential: Not available.
Mobility in soil: Not available.
Results of PBT assessment: Not available.
Other adverse effects: Do not allow to enter waters, waste water, or soil.

13 Disposal considerations

13.1 Waste treatment methods

This material must be disposed of as hazardous waste. Dispose in accordance with local regulations. Incineration recommended in approved incinerator according to federal, state, and local regulations.

13.2 Product / Packaging disposal:

This container must be disposed of as hazardous waste. All label precautions must be observed. Return for reuse or dispose according to national or local regulations.

14 Transport information

	Road & rail transport	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	UN 3077	UN 3077	UN 3077
Proper shipping name:	Environmentally hazardous substance, solid, n.o.s. (IPPD)	Environmentally hazardous substance, solid, n.o.s. (IPPD)	Environmentally hazardous substance, solid, n.o.s. (IPPD)
Transport hazard Class:	9	9	9
Packaging group:	III	III	III
Environmental hazards:	Environmentally hazardous substances	Environmentally hazardous substances	Environmentally hazardous substances
Special precautions for user:	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	IBC 08	IBC 08	IBC 08

15 Regulation information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant information regarding authorization: Not applicable.
Relevant information regarding restriction: Not applicable.

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Other EU regulations:	Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
Other National regulations:	Not applicable
Chemical Safety Assessment has been carried out?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

16 Other information

16.1 Indication of changes Version 1.1 Amended by EU No 453/2010

16.2 Relevant R-phrases (number and full text):

R22 Harmful if swallowed.

R43 May cause sensitization by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16.3 Training instructions:

Not applicable.

16.4 Further information:

Not applicable.

16.5 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.