



DRIVING SURFACE PERFECTION

ISOPON BPO HARDENER (RBPO-R-NZ)

Safety Data Sheet

Page: 1
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Revision No: 2

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: Isopon BPO Hardener
 Product Code: H/RE01S, H/RE10S, H/RE15S, H/RE20S, H/RE25S
 Product Use: Hardening Agent / Curing Agent

New Zealand Supplier: U-POL NZ Ltd
 c/o Lindsay & Associates
 Address: Unit H, 12 Amara Place
 East Tamaki, Auckland

Telephone: 027 630 3691
 Email: technical.department@u-pol.com

**Emergency Telephone: +64 980 10034
 0800 764 766 (National Poison Centre)**

Section 2. Hazards Identification

New Zealand - This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Group Standard & EPA Approval Code: Organic Peroxides Group Standard 2006 - HSR002629

Pictograms



Flammable



Irritant

Signal Word: Danger

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
5.2C	H242	Heating may cause a fire.	Type C
6.1E	H303	May be harmful if swallowed.	Category 5
6.4A	H319	Causes serious eye irritation.	Category 2A
6.5B	H317	May cause an allergic skin reaction.	Category 1
9.1D	H401	Toxic to aquatic life.	Category 4
9.3C	H433	Harmful to terrestrial vertebrates.	

Prevention Code Prevention Statement

P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P220	Keep and store away from clothing and combustible materials.
P234	Keep only in original container.
P261	Avoid breathing fumes or vapours.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing.

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P363	Wash contaminated clothing before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code Storage Statement

P410	Protect from sunlight.
P420	Store away from other materials.
P411 + P235	Store at temperatures not exceeding 30°C . Keep cool.

Disposal Code Disposal Statement

P501	Dispose of according to Local Regulations or Authorities
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Dibenzoyl Peroxide	49-51	94-36-0
Dimethyl Phthalate	29-32	131-11-3

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart. If eye irritation persists: Get medical advice.

If on Skin Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If a skin irritation occurs seek medical assistance.

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If Swallowed	IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. Consult a doctor.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Section 5. Fire Fighting Measures

Hazard Type	Flammable
Hazards from decomposition products	In case of fire, the following can be released: Carbonic anhydride, Benzoic acid, Benzene, Biphenyl, Phenyl benzoate
Suitable Extinguishing media	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.
Precautions for firefighters and special protective clothing	Do not inhale explosion gases or combustion gases. Wear suitable fire protection equipment. Cool endangered receptacles with water spray.
HAZCHEM CODE	1W

Section 6. Accidental Release Measures

Refer to section 8 of SDS for personal protection details. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol. Keep away from ignition sources. Ensure adequate ventilation. Pick up mechanically. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

Section 7. Handling and Storage

Handling

- Keep out of reach of children.
- Read label before use.
- Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- Keep and store away from clothing and combustible materials.
- Keep only in original container.
- Avoid breathing fumes or vapours.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing.

Storage

- Store locked up.
- Store in a well-ventilated place. Keep cool.
- Keep container tightly sealed.
- Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

The product, stored in the original containers, away from sunlight, maintains its properties for 12 months from the delivery date.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Dibenzoyl peroxide	-	5	-	-
Dimethylphthalate	-	5	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls

Ensure there is sufficient ventilation for the handling area. Ensure nearby lighting and electrical equipment is not a source of ignition.

Personal Protection

Eyes: Avoid contact with eyes. Use safety glasses or chemical splash goggles if splashes are possible. Avoid wearing contact lenses. Ensure an eye bath is at hand

Skin: Use neoprene gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Respiratory: Not required.

Section 9 Physical and Chemical Properties

Appearance	Pasty (Red or White)
Odour	Characteristic
Flammability	May cause fire. Product is not self igniting
Flammability Limits Lower & Upper	1.1 – 6.1
Density @ 20°C	1.1 g/cm ³
Solubility in Water	Insoluble
Vapour Pressure @ 20°C	1hPa
Danger of Explosion	SADT 50°C The SADT (self-accelerating decomposition temperature) is an experimentally determined temperature at which the product, in its conventional packaging will decompose in a self accelerating reaction.

Section 10. Stability and Reactivity

Stability of Substance Stable under recommended transport or storage conditions

Conditions to Avoid Visible decomposition with spontaneous ignition on heating.
SADT = 50°C

Incompatible Materials Reducing agents like amines, acids, alkali, compounds based on heavy metals (i.e. accelerators)

Reacts with reducing agents.
Reacts with heavy metals.
Reacts with alkali, amines and strong acids

Hazardous Decomposition Products

Carbon dioxide, Benzoic acid, Benzene, Biphenyl, Phenyl benzoate

Section 11 Toxicological Information

Acute Toxicity:

Mixture calculations for this product

Oral	= 3125mg/kg	= Hazardous
Inhalation	= 29.06 mg/L	= Not Hazardous

Eye The mixture is considered to be an eye irritant

Sensitiser This substances is a contact sensitizer

Section 12. Ecotoxicological Information

HSNO Classes: 9.1D = Toxic to aquatic life.
9.3C = Harmful to terrestrial vertebrates.

Do not allow to enter waterways.

Section 13. Disposal Considerations

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to Local Regulations.

OR AS PER GROUP STANDARD:

- (1) A substance must be disposed of by—
 - (a) exporting the substance from New Zealand as waste; or
 - (b) treating the substance so that it is no longer a hazardous substance.

- (2) In subclause 1(b), "treating the substance" does not include depositing the substance in a sewage facility but does include—
 - (a) detonation, deflagration, or controlled combustion, provided the detonation, deflagration, or controlled combustion is managed to the performance requirements of regulation 7(3)(b) of the Hazardous Substances (Disposal) Regulations 2001 in relation to blast overpressure, heat radiation and access by persons; or

 - (b) depositing the substance in a landfill provided the landfill is managed to ensure that—
 - (i) the substance will not at any time come into contact with an explosive or flammable substance (equivalent to HSNO class 1, 2, 3 or 4); and

 - (ii) there is no ignition source in the vicinity of the disposal site that is capable of igniting the substance; and

- (iii) if the substance were to combust, or cause or contribute to combustion, no person or place where a person may legally be, would be exposed to more blast overpressure or heat radiation than that described in regulation 7(3)(b) of the Hazardous Substances (Disposal) Regulations 2001; and
- (iv) the concentration of the substance in any discharge from the landfill does not, after reasonable mixing, exceed any relevant tolerable exposure limit and/or environmental exposure limit set for the substance or any of its component(s).

Section 14 Transport Information

Classified as a Dangerous Good for transport in Australia; ADG 7
 Classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Road and Rail Transport

UN No: 3108
 Class-primary 5.2
 Packing Group None allocated
 Proper Shipping Name: ORGANIC PEROXIDE TYPE E, SOLID

Air Transport

UN No: 3108
 Class-primary 5.2
 Packing Group None allocated
 Proper Shipping Name: ORGANIC PEROXIDE TYPE E, SOLID

Marine Transport

UN No: 3108
 Class-primary 5.2
 Packing Group None allocated
 Proper Shipping Name: ORGANIC PEROXIDE TYPE E, SOLID

Section 15 Regulatory Information

New Zealand:

EPA Approval Code: Organic Peroxides Group Standard 2006 - HSR002629

HSNO Classification: 5.2C, 6.1E(oral), 6.4A, 6.5B,9.1D, 9.3C

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	10L/kg
Location Certificate	>10kg
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	10L
Emergency Response Plan trigger Quantities	25L

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

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2. PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS Code of Practice,
December 2011, Safe Work Australia.

Disclaimer

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Please contact the New Zealand distributor, U-Pol NZ Ltd, if further information is required.

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