

**Safety Data Sheet**

YPA320 PA 10 RED OXIDE

Version Number 4 Revision Date 10/09/23

**1. Product and company identification****1.1. Product identifier** PA 10 RED OXIDE

Product Code YPA320

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Intended use Refer Technical Data Sheet.

Application Method Refer Technical Data Sheet.

**1.3. Details of the supplier of the safety data sheet****Importer or****Manufacturer**Akzo Nobel Coatings Ltd  
686 Rosebank Road  
Avondale  
Auckland 7  
New Zealand**Telephone No.** (09) 828 3009**Fax No.** (09) 828 1129**1.4. Emergency telephone number (24 hour)** 0800 503 008**For Poisons Advice telephone**

0800 POISON (0800 764 766)

To provide telephone consultation to medical professionals and the general public in cases of acute and chronic poisonings - 24 hours a day.

**2. Hazard identification of the product****2.1. Classification of the substance or mixture**

Flam. Liq. 2;H225 Highly Flammable liquid and vapour.

Skin Irrit. 2;H315 Causes skin irritation.

Eye Dam. 1;H318 Causes serious eye damage.

STOT SE 3;H335 May cause respiratory irritation. Specific Target Organs: ( respiratory system)

STOT SE 3;H336 Vapours may cause drowsiness and dizziness

Aquatic Acute 1;H400 Very toxic to aquatic life.

Aquatic Chronic 1;H410 Very toxic to aquatic life with long lasting effects.

## 2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.



### Danger

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.

H410 Very toxic to aquatic life with long lasting effects.

### Hazard Substances and New Organisms Act 1996 Classification:

**HSNO Number:**HSR002662

Group Standard: Surface Coatings and Colorants (Flammable)Group Standard 2006  
(HSNO 3.1B or 3.1C Classification)

Precautionary (P) Phrases listed below:

P102 Keep out of reach of children.

### [Prevention]:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P235 Keep cool.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharge.

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

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

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

### [Response]:

P302+352 IF ON SKIN: Wash with soap and water.

P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor / physician.

P321 Specific treatment (see information on this label).

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P362 Take off contaminated clothing and wash before reuse.

P370+378 In case of fire: Use alcohol resistant foam, CO2, powder, water spray to extinguish. Do not use water jet.

P391 Collect spillage.

**[Storage]:**

P403+233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

**[Disposal]:**

P501 Dispose of contents / container in accordance with local / national regulations.

**2.3. Other hazards**

This product contains no PBT/vPvB chemicals.

**3. Composition/information on ingredients**

This product contains the following substances that are classified hazardous according to the EPA NZ Hazardous Substances regulations:

Users are referred to the EPA NZ website [www.EPA.govt.NZ](http://www.EPA.govt.NZ) for more information.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Isopropanol CAS Number: 0000067-63-0	10- <25	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]
Iso-butyl alcohol CAS Number: 0000078-83-1	10- <25	Flam. Liq. 3;H226 STOT SE 3;H335 Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H336	[1][2]
Ethanol CAS Number: 0000064-17-5	10- <25	Flam. Liq. 2;H225	[1][2]
n-Butanol CAS Number: 0000071-36-3	2.5- <10	Flam. Liq. 3;H226 Acute Tox. 4;H302 STOT SE 3;H335 Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H336	[1][2]
1-Ethoxy-2-propanol CAS Number: 0001569-02-4	2.5- <10	Flam. Liq. 3;H226 STOT SE 3;H336	[1]
Zinc phosphate CAS Number: 0007779-90-0	2.5- <10	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]
Phenol CAS Number: 0000108-95-2	<1	Muta. 2;H341 Acute Tox. 3;H331 Acute Tox. 3;H311 Acute Tox. 3;H301 STOT RE 2;H373 Skin Corr. 1B;H314	[1][2]
Methanol CAS Number: 0000067-56-1	<1	Flam. Liq. 2;H225 Acute Tox. 3;H331 Acute Tox. 3;H311 Acute Tox. 3;H301 STOT SE 1;H370	[1][2]

Phenol, methyl- CAS Number: 0001319-77-3	<1	Acute Tox. 3;H311 Acute Tox. 3;H301 Skin Corr. 1B;H314	[1][2]
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[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the Hazard (H) phrases are shown in Section 16.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence do not require reporting in this section.

## 4. First aid measures

### 4.1. Description of 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.

#### Skin Contact

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

#### Eye Contact

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

#### Ingestion

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

### 4.2. Most important symptoms and effects, both acute and delayed

No data available

### 4.3. Indication of any immediate medical attention and special treatment needed and notes for physician

No data available

## 5. Fire-fighting measures

### 5.1. Extinguishing media

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.

### **5.2. Special hazards arising from the substance or mixture**

Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Avoid exposure and use breathing apparatus as appropriate.

### **5.3. Advice for fire-fighters**

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**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapour levels are below the Lower Explosive Limit before re-entering.

### **6.2. Environmental precautions**

Do not allow spills to enter drains or watercourses.

### **6.3. Methods and material for containment and cleaning up**

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 the Waste 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 local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

#### **Handling**

This coating contains solvents. Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Areas of storage, preparation and application should be ventilated to prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

## In Storage

Handle containers carefully to prevent damage and spillage.

Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.

This coating contains solvents. Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Areas of storage, preparation and application should be ventilated to prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep away from the following materials: oxidising agents, strong alkalis, strong acids.

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.

This is a highly flammable liquid. Refer to the requirements of AS/NZS1940 (Storage and Handling of Flammable and Combustible Liquids) and to State Dangerous Goods Regulations.

There are no exposure scenarios, see details in section 1.

### 7.3. Specific end use(s)

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.

All sources of ignition (hot surfaces, sparks, open flames etc) should be excluded from areas of preparation and application. All electrical equipment (including torches) should be protected (Ex) to the appropriate standard.

The product may charge electrostatically. Always use earthing leads when pouring solvents and transferring product. Operators should wear clothing which does not generate static (at least 60% natural fibre) and antistatic footwear; floors should be of conducting type.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

From Australia's Hazardous Substance Information System (HSIS)

For detailed information refer to the HSIS web site (<http://hsis.safeworkaustralia.gov.au/>).

Material	Short term (15 min. ave)		Long term (8hr time weighted average)		Comments
	ppm	mg/m <sup>3</sup>	ppm	mg/M3	

Ethanol	-	-	1000	1880	---
Iron oxide	-	-		5	---
Iso-butyl alcohol	-	-	50	152	---
Isopropanol	500	1230	400	983	---
Methanol	250	328	200	262	---
n-Butanol	-	-	50	152	Not Defined
Phenol	-	-	5	19	---

Chemicals classified as hazardous by EPA NZ may have a notification alongside the exposure standard. If such a notification is necessary, it will appear in the far right hand column. The legend is as follows:

(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.

There is no biological limit allocated.

#### **DNEL/PNEC values**

No Data Available

#### **8.2. Exposure controls**

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.

#### **Eye Protection**

Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids. Eyewear should comply with AS/NZS1337.

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.

#### **Skin Protection**

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

#### **Other**

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.

#### **Respiratory Protection**

In Liquid, Paste or Atomised form (e.g. Spray Application), workers must wear respirators with a filter Type A (Organic vapour) approved in accordance with AS/NZS 1716.

Provision of other controls such as exhaust ventilation should be considered if practical.

If applying large volumes (>100L) and If there is not sufficient ventilation or if there is a confined space, an Air Fed Respirator is strongly recommended.

In Solid or Dust form (e.g. Sanding Cured product) workers must wear a Class P1 Particulate filter mask in accordance with AS/NZS1716. An Air Fed Respirator is strongly recommended.

### Thermal hazards

No Data Available

## 9. Physical and chemical properties

<b>Colour</b>	Red Liquid
<b>Odour</b>	Smell of Solvent
<b>Odour threshold</b>	Not Measured
<b>pH</b>	N/A
<b>Melting point / freezing point (°C)</b>	Not Measured
<b>Initial boiling point and boiling range (°C)</b>	65
<b>Flash Point (°C)</b>	14
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	Lower Explosive Limit: 1.1 Upper Explosive Limit: 11.3
<b>Vapour pressure (Pa)</b>	Not Measured
<b>Vapour Density</b>	Heavier than air.
<b>Specific Gravity</b>	0.93
<b>Solubility in Water</b>	Immiscible
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Autoignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	N/A

### 9.2. Other information

No further information

## 10. Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

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.



### 10.3. Possibility of hazardous reactions

May react exothermically with: oxidising agents, strong alkalis, strong acids.

### 10.4. Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Keep away from the following materials: oxidising agents, strong alkalis, strong acids.

### 10.6. Hazardous decomposition products

Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Avoid exposure and use breathing apparatus as appropriate.

## 11. Toxicological information

### Acute toxicity

Exposure to solvent vapour concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr
1-Ethoxy-2-propanol - (1569-02-4)	2,000.00, Rat	Not Available	Not Available	Not Available
Ethanol - (64-17-5)	7,060.00, Rat	20,000.00, Rabbit	124.70, Rat	Not Available
Iso-butyl alcohol - (78-83-1)	2,460.00, Rat	3,400.00, Rabbit	Not Available	Not Available
Isopropanol - (67-63-0)	4,710.00, Rat	12,800.00, Rat	72.60, Rat	Not Available
Methanol - (67-56-1)	5,628.00, Rat	15,800.00, Rabbit	85.00, Rat	Not Available
n-Butanol - (71-36-3)	790.00, Rat	3,430.00, Rabbit	Not Available	Not Available
Phenol - (108-95-2)				

	317.00, Rat	630.00, Rabbit	Not Available	Not Available
Phenol, methyl- - (1319-77-3)	1,454.00, Rat	Not Available	Not Available	Not Available
Zinc phosphate - (7779-90-0)	5,000.00, Rat	Not Available	Not Available	Not Available

Item	Category	Hazard
Acute Toxicity (mouth)	Not Classified	Not Applicable
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Eye damage/irritation	1	Causes serious eye damage.
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	Not Classified	Not Applicable
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic toxicity (single exposure)	3	May cause respiratory irritation.
Specific target organ systemic toxicity (single exposure)	3	Vapours may cause drowsiness and dizziness
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

The preparation has been assessed according to the GHS criteria and is classified as dangerous for the environment, using the toxicity data listed below.

There are no data available on the product itself.

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

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Isopropanol - (67-63-0)	1,400.00, Lepomis macrochirus	100.00, Daphnia magna	100.00 (72 hr), Scenedesmus subspicatus
Iso-butyl alcohol - (78-83-1)			

	1,330.00, Oncorhynchus mykiss	1,030.00, Daphnia magna	230.00 (72 hr), Scenedesmus subspicatus
Ethanol - (64-17-5)	42.00, Oncorhynchus mykiss	2.00, Daphnia magna	17.921 (96 hr), Ulva pertusa
n-Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
1-Ethoxy-2-propanol - (1569-02-4)	Not Available	Not Available	Not Available
Zinc phosphate - (7779-90-0)	0.09, Oncorhynchus mykiss	0.04, Daphnia magna	0.136 (72 hr), Selenastrum capricornutum
Phenol - (108-95-2)	3.73, Oncorhynchus gorboscha	3.29, Ceriodaphnia dubia	46.42 (96 hr), Pseudokirchneriella subcapitata
Methanol - (67-56-1)	100.00, Pimephales promelas	10,000.00, Daphnia magna	16.912 (96 hr), Ulva pertusa
Phenol, methyl- - (1319-77-3)	10.00, Lepomis macrochirus	10.00, Crangon crangon	5.00 (96 hr), Macrocystis pyrifera

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available

## 13. Disposal considerations

### 13.1. Waste treatment methods

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

14.1. UN number 1263

14.2. UN Proper Shipping Name (PSN) Paint

14.3. Transport hazard class(es)

ADR/RID/ADN UN1263, Paint, CLASS 3, PG II,

IMDG Class/Div 3 Sub Class  
reference :

Ems F-E,S-E

ICAO/IATA Class 3 Sub Class

14.4. Packing group II

14.5. Environmental hazards

ADR/RID/ADN Environmentally Hazardous: Yes

IMDG Marine Pollutant: Yes ( Zinc phosphate )  
reference :

14.6. Special precautions for user

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

## 15. Regulatory information

This product and all its components complies with the chemical and transport regulations from the country listed in section 1.3.

Other regulatory information specific to the hazardous chemical(s):

None noted.

## 16. Other information

Contact Point:

Ask for Marine, Protective and Yacht Coatings Regulatory Affairs Manager  
(Australian Number) +61 (0)407 119 025

The information in this Safety Data Sheet (SDS) is based upon the present state of our knowledge on current legislation. The product should not be used for purposes other than shown in the SDS 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 SDS is required according to EPA NZ legislation (as amended). Each user should read the SDS and consider the information of how this product is used and handled in conjunction with other products and components.

The information provided in this SDS relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and not to be considered a warranty or quality specification. This SDS is valid for 5 years from the revised date on page 1.

The full text of the Hazard (H) phrases appearing in section 2&3 are:

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**This SDS is valid for 5 years from the revised date on page 1.  
The revision date is in American format (e.g. MM/DD/YY).**

End of document



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.