

## 1. Identification of the substance/mixture and of the company/undertaking

<b>Product name</b>	WB384 Red Oxide Toner
<b>Product code</b>	02052105
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Du Pont (New Zealand) Limited
Street address	Central Park Corporate Centre Level 2, Building 5 666 Great South Road Greenlane, Auckland 1051
Telephone	(64)-9526 2501
Telefax	(64)-9526 2505
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Date of preparation	2011-06-01

## 2. Hazards identification

Not classified as a Dangerous Good under NZS 5433  
 Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

### HSNO Classification

Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 8.3A
Skin sensitization	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1D

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

### GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Causes mild skin irritation.  
 Causes serious eye damage.  
 Suspected of damaging fertility or the unborn child.  
 May cause an allergic skin reaction.  
 Combustible liquid

Precautionary statements

Contaminated work clothing should not be allowed out of the workplace.  
 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 Keep away from flames and hot surfaces.  
 Obtain special instructions before use.  
 Wear protective gloves/ eye protection/ face protection.  
 IF exposed or concerned: Get medical advice/ attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation or rash occurs: Get medical advice/ attention.  
 Immediately call a POISON CENTER or doctor/ physician.  
 Specific treatment (see supplemental first aid instructions on this label).  
 Wash contaminated clothing before reuse.  
 Store in a well-ventilated place. Keep cool.  
 Store locked up.

Dispose of contents/container in accordance with local regulation.

**Other hazards which do not result in classification**

None known.

### 3. Composition/information on ingredients

**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
111-76-2	2-butoxyethanol	3 - 5%	✓	
71-36-3	n-butanol	3 - 5%	✓	
2687-91-4	N-ethylpyrrolidon	1 - 3%	✓	
1309-37-1	Iron oxide	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-01-0	2-dimethylaminoethanol	0.3 - 1.0%	✓	

Non-regulated ingredients 80 - 90%

### 4. First aid measures

**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

**Skin contact**

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

**Inhalation**

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

**Ingestion**

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

**Most Important Symptoms/effects, acute and delayed**
**Inhalation**

May cause nose and throat irritation.

**Ingestion**

May result in gastrointestinal distress.

**Skin or eye contact**

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

**Notes to physician**

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

### 5. Fire-fighting measures

**Suitable extinguishing media**

Water spray, Dry chemical, Foam.

**Extinguishing media which shall not be used for safety reasons**

High volume water jet

**Specific hazards**

Vapours may form explosive mixtures with air. Do not allow run-off from fire fighting to enter drains or water courses. Solvent vapours are heavier than air and may spread along floors. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

**Special Protective Equipment and Fire Fighting Procedures**

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

## 6. Accidental release measures

**Personal precautions**

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

**Environmental precautions**

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

**Methods for cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

## 7. Handling and storage

**Safe handling advice**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

**Storage****Suitable storage conditions**

Observe label precautions. Storage temperature: +5 to +30 °C. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Suitable container and packaging materials for safe storage**

Always keep in containers made of the same material as the supply container.

## 8. Exposure controls/personal protection

**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m <sup>3</sup>
n-butanol	CEIL	50 ppm
	CEIL	150 mg/m <sup>3</sup>
Iron oxide	TWA	5 mg/m <sup>3</sup>
	TWA	150 ppm
butanone	TWA	150 ppm
	TWA	445 mg/m <sup>3</sup>

Chemical Name

	STEL	300 ppm
	STEL	890 mg/m3
2-dimethylaminoethanol	TWA	2 ppm
	TWA	7.4 mg/m3
	STEL	6 ppm
	STEL	22 mg/m3

**Engineering measures**

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

**Protective equipment**

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

**Respiratory protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Eye protection**

Wear protective eyewear for protection against solvent spatter.

**Hand protection**

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
butanone	Viton (R) ®	0.7 mm	10 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

**Skin and body protection**

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

**Hygiene measures**

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

**9. Physical and chemical properties**

**Appearance**

Form : liquid    Colour: red    Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	100 °C	
Flash point	80 °C	ISO 3679
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.8 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.01 g/cm <sup>3</sup>	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	27 s	ISO 2431-1993 6 mm

Does not sustain combustion.

**10. Stability and reactivity****Stability**

Stable

**Hazardous polymerisation**

Will not occur.

**Conditions to avoid**

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

**Materials to avoid**

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

**Hazardous decomposition products**

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

**11. Toxicological information****Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation.

**Ingestion**

May result in gastrointestinal distress.

**Skin or eye contact**

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

**Delayed and immediate effects and also chronic effects from short and long term exposure:****Acute oral toxicity**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

2-butoxyethanol	Category 2
n-butanol	Category 2
Iron oxide	Category 2
butanone	Category 3
2-dimethylaminoethanol	Category 1C

**Serious eye damage/eye irritation**

2-butoxyethanol	Category 2A
n-butanol	Category 1
N-ethylpyrrolidon	Category 1
Iron oxide	Category 1
butanone	Category 2A
2-dimethylaminoethanol	Category 1

**Skin sensitization**

2-dimethylaminoethanol	Category 1
------------------------	------------

**Toxicity for reproduction**

N-ethylpyrrolidon	Category 2
-------------------	------------

**Numerical measures of toxicity (acute toxicity estimation (ATE),etc. )**

No information available.

**Symptoms related to the physical, chemical and toxicological characteristics**

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

## 12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

**Ecotoxicity effects**

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.



## 13. DISPOSAL CONSIDERATIONS

### Waste disposal methods

Dispose of in accordance with local regulations.

### Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

## 14. Transport information

Not classified as dangerous in the meaning of transport regulations.

### Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

## 15. Regulatory information

### National regulatory information

HSNO Approval Code	HSR002657
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 8.3A
Skin sensitization	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1D

## 16. Other information

Sources of key data used to compile the Safety Data Sheet  
Department

Du Pont (New Zealand) Limited  
Central Park Corporate Centre  
Level 2, Building 5  
666 Great South Road  
Greenlane, Auckland 1051

Data Review Department  
Issuing date

Regulatory Affairs  
2011-06-01

### Revision Note

Version	Changes
2.0	2, 3, 4, 7, 8, 9, 11, 12, 13, 15, 16

Revision Date: 2011-06-01

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.