

# Material Safety Data Sheet

## Ultratect Ducor

Issue Date: June 2012

Issued by Beam Rustproofing

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	<b>Ultratect Ducor</b>
<b>Company Name</b>	Beam Rustproofing
<b>Address</b>	27 Hargreaves Street Belmont WA 6104
<b>Telephone</b>	(08) 9325 1399
<b>Fax</b>	(08) 9325 2431
<b>Recommended Use</b>	Anti-corrosive metal coating - Rustproofing
<b>Other Names</b>	None

### 2. HAZARDS IDENTIFICATION

<b>Hazard Classification:</b>	HAZARDOUS SUBSTANCE
<b>Dangerous Goods Classification:</b>	DANGEROUS GOODS

Hazard classification according to the criteria of NOHSC

Dangerous goods classification according to the Australia Dangerous goods code.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical characterization

Mixture of synthetic resins, pigments and solvents

#### Hazardous components

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Concentration</u>	<u>Classification</u>
64754-99-0	Fatty acids, C18-unsatd., dimmers, reaction products with polyethylenepolyamines	15.00 - < 20.00%	Xi; R41
64742-95-6	Solvent naphtha (petroleum), light arom. (<0.1% benzene)	7.00 - < 10.00%	R10 Xi; R37 N; R51/53 Xn; R65 R66 R67 Not a H Not a P
95-63-6	1,2,4-trimethylbenzene	5.00 - < 7.00%	R10 Xn; R20 Xi; R36/37/38 N; R51/53
108-67-8	Mesitylene	1.00 - < 2.00%	R10 Xi; R37 N; R51/53
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	1.00 - < 2.00 %	Xn; R22 Xi; R36/38
103-65-1	n-propylbenzene	0.50 - < 1.00 %	R10 Xn; R65 Xi; R37 N; R51/53
98-82-8	umene	0.25 - < 0.50 %	R10 Xn; R65 Xi; R37 N; R51/53
112-57-2	3,6,9-triazaundecamethylenediamine	0.25 - < 0.50 %	Xn; R21/22 C; R34 R43 N; R51/53

### 4. FIRST AID MEASURES

#### General advice

When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person.

#### Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapors. 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.

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### 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.

### Eye contact

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

### Ingestion

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

## 5. FIRE FIGHTING MEASURES

### Hazardous combustion products

Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Exposure to decomposition products may be a hazard to health.

### Fire and Explosion Hazards

no data available

### Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical, Water spray.

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

High volume water jet

### 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.

### Additional advice

Cool closed containers exposed to fire with water spray.

### Additional information

Hazchem : 3Y

## 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 vapors.

### 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

### Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is being used.

### 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 electro statically: 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 vapors or spray mist. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Comply with the health and safety at work laws. If material is a coating, do not sand, flame cut, braze or weld dry coating without an appropriate respirator or appropriate ventilation, and gloves.

### Advice on protection against fire and explosion

Solvent vapors are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

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### Storage

#### Requirements for storage areas and containers

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### Advice on common storage

Store separately from oxidizing agents and strongly alkaline and strongly acidic materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is being used.

#### Additional technical information on the plant

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.

#### National occupational exposure limits

CAS-No.	Chemical Name	Values	Control Parameters	Basis
64754-99-0	Fatty acids, C18-unsatd., dimmers, reaction products with polyethylenepolyamines			No exposure standards allocated
64742-95-6	Solvent naphtha (petroleum), light arom. (<0.1% benzene)			No exposure standards allocated
95-63-6	1,2,4-trimethylbenzene	TWA	25 ppm	NOHSC:1003(2003)
108-67-8	Mesitylene	TWA	25 ppm	NOHSC:1003(2003)
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol			No exposure standards allocated
103-65-1	n-propylbenzene			No exposure standards allocated
98-82-8	cumene	STEL	375 mg/m3	NOHSC:1003(2003)
			75 ppm	NOHSC:1003(2003)
		TWA	125 mg/m3	NOHSC:1003(2003)
			25 ppm	NOHSC:1003(2003)
112-57-2	3,6,9-triazaundecamethylenediamine			No exposure standards allocated

#### 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.

#### 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
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton ®	0.7mm	30min

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.

#### Eye protection

Wear protective eyewear for protection against solvent spatter.

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### Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothing's 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!

### Environmental exposure controls

Do not let product enter drains. For ecological information refer to section 12.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form: liquid      Colour: grey      Odour: Characteristic Paint Odor

### Important physical and chemical information

	Value	Method
Flash point	50 °C	
Auto ignition temperature	463 °C	DIN 51794
Boiling point/boiling range	100 – 305 °C	
Lower explosion limit	0.9 %	
Upper explosion limit	6 %	
Vapour pressure	1.0 hPa	
Relative density	1.43 g/cm <sup>3</sup>	DIN 53217/ISO 2811
Water solubility	moderate	
Viscosity (23 °C)	Not applicable.	ISO 2431-1993
Solvent separation test	< 3%	ADR/RID
Content of volatile components (including water)	18.1%	Basis Vapour pressure >= 0.01 kPa
pH	Not applicable.	

## 10. STABILITY AND REACTIVITY

### Stability

Stable

### 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

### General observations

There is no data available on the product. See sections 3 and 15 for details.

### Practical experience

Exposure to component solvents vapors 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. Contains 3,6,9-triazaundecamethylenediamine. May produce an allergic reaction.

Toxicity Test Type	Value	Time	Species
fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines			
Oral LD50	8 g/kg		rat
Dermal LD50	> 7 g/kg		rabbit solvent
naphtha (petroleum), light arom. (<0,1% benzene)			
Oral LD50	< 5 g/kg		rat Dermal
LD50	> 4 ml/kg		rat Inhalation
LD50	> 3,670 mg/kg	8 h	rat

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1,2,4-trimethylbenzene					
Oral LD50	5,000 mg/kg				rat
Inhalation LC50	18,000 mg/m3	4 h			rat
mesitylene					
Oral LD50	24,000 mg/kg				rat
Inhalation LC50	24 mg/l	4 h			rat
2,4,6-tris(dimethylaminomethyl)phenol					
Oral LD50	= 1,200 mg/kg				rat
Dermal LD50	= 1,280 mg/kg				rat n-
propylbenzene					
Oral LD50	6,040 mg/kg				rat
Inhalation LD50	> 9,999 ppm	2 h			rat
cumene					
Oral LD50	1,400 mg/kg				rat
Dermal LD50	10,578 mg/kg				rabbit
Inhalation LC50	39 mg/l	4 h			rat
3,6,9-triazaundecamethylenediamine					
Oral LD50	2,100 mg/kg				rat
Dermal LD50	660 mg/kg				rabbit

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Not available.
<b>Persistence/Degradability:</b>	Not available.
<b>Mobility:</b>	Not available.
<b>Bioaccumulative:</b>	Not available.
<b>Potential Environ Protection:</b>	Not available.

### 13. DISPOSAL CONSIDERATIONS

Incinerate or otherwise dispose of waste material in accordance with local regulations. The product should not be allowed to enter drains, water courses or the soil. Do not incinerate in closed containers.

### 14. TRANSPORT INFORMATION

<b>Proper Shipping Name:</b>	PAINT
<b>UN Number:</b>	1263
<b>Dangerous Goods Class:</b>	3
<b>Hazchem Code:</b>	3Y
<b>Packaging Group:</b>	III
<b>Information:</b>	Australian code for the Transport of Dangerous Goods by Road and rail.

### 15. REGULATORY INFORMATION

#### Symbol and indication of hazard.

Xi	Irritant
Contains	fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines 15.00 - < 20.00 %.

#### R-phrases(s)

R10	Flammable.
R41	Risk of serious damage to eyes.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### S-phrases(s)

S23	Do not breathe vapour/spray.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39	Wear eye/face protection.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.

Contains: 3,6,9-triazaundecamethylenediamine. May produce an allergic reaction.

**SUSDP Poison Schedule:** Not Schedule

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### 16. OTHER INFORMATION

Full text of R phrases with no. appearing in section 3

R10	Flammable.
R20	Harmful by inhalation.
R21/22	Harmful in contact with skin and if swallowed. R22 Harmful if swallowed.
R34	Causes burns.
R36/37/38	Irritating to eyes, respiratory system and skin. R36/38 Irritating to eyes and skin.
R37	Irritating to respiratory system. R41 Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness.

Sources of key data used to compile the datasheet:

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition (NOHSC:2011(2003))
2. Approved Criteria for Classifying Hazardous Substances (NOHSC:1008(1999))
3. List of Designated Hazardous Substances (NOHSC:10005(1999))
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment (NOHSC:1003(1995))
5. Australian Dangerous Goods Code, No. 6 (National Road Transport Commission)
6. Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)
7. National Code of Practice for the Labeling of Workplace Substances ((NOHSC:2012 (1994))

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