



Material Safety Data Sheet

Issue Date: May 2010

DUOTHANE FAST A

1. PRODUCT AND SUPPLIER IDENTIFICATION

Product Name	DUOTHANE FAST A
Other Names	Urethane Coatings DUOTHANE FAST A
Product Use	This product is used in conjunction with DUOTHANE Part B, as a sealer and finish for timber, parquetry and cork.
Company Name	Urethane Coatings Pty Ltd
ABN	98 105 086 397
Address	10 Powells Rd Brookvale NSW 2100
Telephone	(02) 9905 3283
Fax	(02) 9905 5688
Emergency Telephone	0412 818 817

2. HAZARDS IDENTIFICATION

Hazards Classification	According to the criteria of WorkSafe Australia, this product is classified hazardous.
Poison Schedule	S5
Risk Phrases	R10, 20//22, R36/37/38, R51.
Safety Phrases	S02, S03/09/49, S07/8, S13, S15, S16, S21, S23, S24/25, S29, S30, S35, S36/37/39, S38, S61, S62.
Other Information	This product is used in conjunction with DUOTHANE Part B. The MSDS of DUOTHANE Part B must be read and considered in conjunction with this MSDS.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS No	PROPORTION
HAZARDOUS		
Xylene	1330-20-7	10-30%
N-Butyl Acetate	123-86-4	5-20%



4. FIRST AID MEASURES

Ingestion	Rinse mouth with water and give water to drink. Do NOT induce vomiting. If vomiting occurs, place person's face downwards, head lower than hips to prevent vomit entering lungs. Obtain medical attention and/or call poisons information centre, (Australia 131126).
Eye	Irrigate affected eye(s) with copious quantities of water for 15 minutes, ensuring eyelids are held open. Seek medical advice if any pain or redness develops or persists.
Skin	Wash affected skin and surrounding area thoroughly with soap and water as soon as possible. Remove contaminated clothing and wash underlying skin. Launder clothing before re-use. If swelling, redness, or irritation occurs seek medical advice.
Inhalation	Inhalation of mists, fumes or vapour may irritate the nose or throat. Remove affected personnel to fresh air. Commence artificial respiration if needed. If symptoms persist obtain medical assistance.
Other Information	Eye wash fountains and safety showers should be easily accessible.
Advice to Doctor	Treat symptomatically

5. FIRE FIGHTING MEASURES

Fire Hazards	Flammable liquid. Keep containers cool with water spray. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area.
Extinguishing Media	Foam, carbon dioxide, dry chemical powder, or water fog. Avoid spreading liquid and fire by water flooding.
Fire-fighting Measures	Fire fighters to wear suitable personal protective clothing and equipment and to use self-contained breathing apparatus if risk of exposure to vapour or products of combustion.
Hazchem Code	3[Y]



6. ACCIDENTAL RELEASE MEASURES

- Minor Spills** Extinguish or remove all potential sources of ignition. Increase ventilation. Avoid physical contact with this product. Absorb with an inert non-combustible material such as vermiculite or sand. Wear full protective clothing and goggles. Prevent run off into drains or waterways. Collect and place into drums with non-sparking tools for recovery or disposal.
- Major Spills** Inform authorities if a major spillage occurs. Evacuate all non-emergency personnel from area. Keep public away. Warn occupants downwind. Dike area far ahead of liquid and recover. Extinguish all ignition sources. Prevent entry into drainage systems, rivers etc. Collect with absorbent material such as sand, earth or vermiculite. Ensure waste disposal conforms to Local, State and Federal regulations.

7. HANDLING AND STORAGE

- Handling** Use with adequate ventilation. Avoid inhaling vapour. Avoid contact with eyes, skin and clothing. Flammable liquid. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. DO NOT smoke.
- Storage** Store in a cool, dry, well-ventilated area away from sources of heat and ignition. Store away from oxidising agents and foodstuffs. Keep containers tightly closed when not in use. Ensure all containers are clearly labelled and check regularly for leaks. Store in accordance with AS 1940-1993 and conform to Local, State and Federal regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure limits¹** No specific data is available for this product. Component limits refer to the following data:

Name	mg/m ³ TWA	ppm TWA
Xylene	350	80
N-Butyl Acetate	713	150

- Other Exposure Info** Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms: Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week; peak limitation; or short term exposure limit (STEL).



Engineering Controls Exposure can be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Engineering methods to prevent or control exposure are preferred. Methods include; process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used.

Personal Protective Equipment Avoid eye and skin contact. Avoid inhaling the vapour or mist. Follow normal industrial safety practices. The use of protective clothing and equipment depends on the degree of exposure. The following personal protective equipment should be used:

- Respiratory Protection** Where concentrations in air exceed recommended exposure limits, or work practice or other means of exposure reduction are not adequate, use respirator fitted with filters that conform with AS 1716.
- Eye Protection** Use safety glasses, chemical goggles or face shield as appropriate. Refer to AS 1337.
- Hand Protection** Use chemical resistant rubber gloves. Refer to AS 2161.
- Protective Clothing** Use long sleeved chemical resistant overalls, fastened at neck and wrists. Refer to AS 3765.
- Footwear** Wear chemically impervious safety shoes/boots. Refer to AS 2210.
- Work/Hygienic Practices** Ensure high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless liquid
Odour	Strong organic solvent odour
Density (g/l @ 20°C)	870
pH	Not applicable
Volatiles (v/v %)	None available
Solubility	Sparingly soluble in water
Melting Point (°C)	Not available
Boiling Point (°C)	138-143
Vapour Pressure (mm Hg @ 25°C, 1 atm)	7.5
Flash Point (°C ABEL)	24
Flammability Limits (v/v %)	1-7
Auto ignition temperature (°C)	Not available
Rel. Vapour Density (Air = 1)	3.1
Evaporation Rate (relative to n-butyl acetate)	Not available



Molar mass (g/mol)

Mixture

10. CHEMICAL STABILITY AND REACTIVITY INFORMATION

Stability	Stable under normal conditions.
Materials to Avoid	Strong oxidising agents.
Conditions to Avoid	Sparks, heat, sources of ignition.
Decomposition products	Oxides of carbon and nitrogen.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGY INFORMATION

Toxicology	Data is unavailable for this product. However, toxicology for component ingredient Xylene is as follows: Xylene Acute Oral Toxicity (rat): Low toxicity. Aspiration into the lungs when swallowed may cause chemical pneumonitis. Acute Skin Toxicity (rabbit): Low toxicity. Acute Inhalation Toxicity (rat). Low toxicity. Harmful. High concentrations may cause CNS depression, resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and or death.
Ingestion	Swallowing can cause irritation to mouth, throat and digestive tract. May cause nausea and vomiting. Large dose may cause unconsciousness.
Eye Contact	An eye irritant – may cause irritation presenting as redness, tearing, pain and stinging.
Skin Contact	Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may result in allergic dermatitis.
Inhalation	Vapour may cause irritation to mucous membranes and respiratory tract. Vapours can affect the central nervous system and result in headaches and dizziness. High concentrations of vapours, if exposure is prolonged, may cause unconsciousness. Aspiration of liquid into the lungs can cause serious (even fatal) pneumonitis.
Chronic Effects	Repeated or prolonged skin contact may cause dermatitis.



12. ECOLOGICAL INFORMATION

Aquatic Toxicity	Product is expected to be toxic to aquatic organisms. Avoid discharge into waterways.
Mobility	Expected high soil mobility, may contaminate groundwater.
Biodegradability	Biodegradable under UV light.
Bioaccumulation	Potential for bioaccumulation.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Recycle or reuse if possible. Ensure waste disposal conforms to Local, State and Federal regulations. Recover and recycle any spillage if possible. Incineration is recommended for disposal of this product where an appropriate facility is available. Empty containers should be recycled or disposed of through a licensed contractor. Care should be taken with empty packaging, which may contain product residue that may be harmful.
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14. TRANSPORT INFORMATION

Transport Information	Store and transport in accordance with AS 1940-1993 and Local, State, and Federal regulations. Classified as Dangerous Goods, Class 3 Flammable Liquid, by the criteria of the Australian Dangerous goods code (ADG Code) for Transport by Road and Rail.
UN number	1263
Proper Shipping Name	Paint
DG Class	3
Hazchem Code	3[Y]
Packaging Method	
Packaging Group	III
EPG Number	
IERG Number	
IMDG	
CAS No	PROPRIETARY
Subsidiary Risk	Nil



15. REGULATORY INFORMATION

Poison Schedule S5

Packaging and Labelling 20, 10, and 4 litre drums with Class 3 labels according to Australian Code for Transport of Dangerous Goods and labels to meet the requirements of a Schedule 5 poison.

Shelf Life This product is best if used within 12 months from manufacture (refer to batch number), when stored in unopened containers under normal conditions of temperature and humidity.

16. OTHER INFORMATION

Contact Person/Point Urethane Coatings Pty Ltd
10 Powells Rd,
Brookvale NSW 2100
B.H. (02) 9905 3283
A.H. 0412 818 817
G. M. Webb

Additional Information Updates the August 2004 issue to 16-part format.

1. Safe Work Australia, 1993, 'Adopted national exposure standards for atmospheric contaminants in the occupational environment', www.worksafeaustralia.gov.au [cited] 27 January 2010.

NOTICE to READERS

Urethane Coatings make no representation as to the completeness and accuracy of the data contained in this MSDS. It is the user's obligation to evaluate and use this data, and to comply with all relevant Federal, State and Local Government laws and regulations. Urethane Coatings shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendations contained herein, from abnormal use of the material, or from any hazard inherent in the nature of the material.

End of MSDS