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 \* M S D S \*  
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 \* Canadian Centre for Occupational Health and Safety \*  
 \* \* \* \* \* (February, 2002) \*

\*\*\* IDENTIFICATION \*\*\*

MSDS RECORD NUMBER : 744445  
 PRODUCT NAME(S) : 23BR30, STEP SAVER DARK OAK  
 PRODUCT IDENTIFICATION : Product Code: 170  
 DATE OF MSDS : 1992-05-28

\*\*\* MANUFACTURER INFORMATION \*\*\*

MANUFACTURER : DEFT, INC (CAGE Code 33461)  
 ADDRESS : 17451 VON KARMAN AVENUE  
 IRVINE CALIFORNIA  
 U.S.A. 92714  
 Telephone: 714-474-0400 (INFORMATION)  
 EMERGENCY TELEPHONE NO. : 800-424-9300 (CHEMTREC)

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Message from Deft Inc: Information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of the materials and for the safety and health of their employees.

\*\*\* SUPPLIER/DISTRIBUTOR INFORMATION \*\*\*

SUPPLIER/DISTRIBUTOR : NEWRON SALES INC  
 ADDRESS : 92B CARRIER DRIVE  
 ETOBICOKE ONTARIO  
 CANADA M9W 5R1  
 Telephone: 416-798-3338  
 Fax: 416-798-3339

\*\*\* MATERIAL SAFETY DATA \*\*\*

MATERIAL SAFETY DATA SHEET  
 For Coatings, Resins and Related Materials

Printed : 02/18/94

Revised : 05/28/92

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SECTION I - PRODUCT IDENTIFICATION

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Product Class: URETHANE  
 Trade Name : 23BR30 STEP SAVER DARK OAK  
 Product Code : 170  
 C.A.S. Number: NONE  
 Prepared By : NORM GAUL  
 Title : ASSISTANT TECHNICAL DIRECTOR

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Hazard Ratings: Health - 3  
 none -> extreme Fire - 2  
 0 ---> 4 Reactivity - 1

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SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits		VP mm HG
			ACGIH/TLV	OSHA/PEL	
MINERAL SPIRITS	64742-88-7	35	N.E.	N.E.	2
		STEL =	N.E.	N.E.	@ 68F
NIOSH recommends a limit of 350 mg/m <sup>3</sup> - 8 hours TWA, and 1800 mg/m <sup>3</sup> as determined by a 15 minute sample					
C8&10 AROMATIC HYDROCARBON	64742-95-6	<5	N.E.	N.E.	3
		STEL =	N.E.	N.E.	@ 68F
Manufacturer recommends a PEL of 100 ppm					
TOLUENE	108-88-3	<0.1	100 ppm	100 ppm	22
		STEL =	150 ppm	150 ppm	@ 68F

THE ABOVE LISTED PRODUCTS ARE ON THE TSCA INVENTORY LIST.

N.E. = Not Established

SECTION III - PHYSICAL DATA

Boiling Range: 230 - 396 Deg F  
 Evap. Rate: 0.1 x n-Butyl Acetate  
 Volatiles: Vol % 42.5 Wgt % 38.2  
 Vapor Density: Heavier than Air  
 Liquid Density: Lighter than Water  
 Wgt per gallon: 7.47 Pounds.  
 Spec. Gravity: 0.89676  
 Appearance: YELLOW LIQUID WITH SOLVENT ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: II  
 Flash Point: 105 F TCC LEL: 0.90% UEL: 7.00%  
 -EXTINGUISHING MEDIA:  
 FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG  
 -SPECIAL FIREFIGHTING PROCEDURES:  
 Full fire fighting equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters. Water may be used to cool closed containers to prevent pressure build-up, auto ignition or explosion.  
 -UNUSUAL FIRE & EXPLOSION HAZARDS:  
 Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent.

SECTION V - HEALTH HAZARD DATA

-PERMISSIBLE EXPOSURE LEVEL:  
 SEE SECTION II, HAZARDOUS INGREDIENTS.  
 -EFFECTS OF OVEREXPOSURE:  
 INHALATION: Irritation of the respiratory tract & acute nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma.  
 SKIN AND EYE CONTACT: SKIN: Contact with the skin can cause irritation. Symptoms may be swelling, redness, and rash.  
 EYES: Liquid, aerosols, or vapors are irritating and may cause tearing, redness, and swelling accompanied by a stinging sensation.  
 SKIN ABSORPTION: Prolonged or repeated contact can cause moderate irritation, drying, and defatting of the skin which can cause the skin to crack.

INGESTION: Acute: Can result in irritation and possible corrosive action in the mouth, stomach tissue and digestive tract. Vomiting may cause aspiration of the solvent, resulting in chemical pneumonitis.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: Vapors are irritating to eyes, nose, and throat. Inhalation may cause headaches, difficult breathing and loss of consciousness.

CHRONIC: Prolonged contact will cause drying and cracking of the skin, due to defatting action. Skin sensitization, asthma or other allergic responses may develop.

CARCINOGENICITY:

NTP?: NO IARC MONOGRAPHS?: NO, OSHA REGULATED?: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Asthma and any other respiratory disorders. Skin allergies, eczema, and dermatitis.

-FIRST AID:

INHALATION: Move to an area free from risk of further exposure. Restore breathing. Asthmatic type symptoms may develop and may be immediate or delayed by several hours. Obtain medical attention.

SKIN: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.

EYES: Flush with clean lukewarm water (low pressure) for at least 15 minutes, occasionally lifting eyelids. Obtain medical attention.

INGESTION: Do not induce vomiting. Do not give anything to an unconscious person. Obtain medical attention.

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SECTION VI - REACTIVITY DATA

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STABILITY: [ ] Unstable [X] Stable

HAZARDOUS POLYMERIZATION: [ ] May occur [X] Will not occur

-INCOMPATIBILITY:

STRONG OXIDIZING AGENTS.

-CONDITIONS TO AVOID:

HIGH TEMPERATURES, SPARKS, OR OPEN FLAMES.

-HAZARDOUS DECOMPOSITION PRODUCTS:

BY HIGH HEAT/TEMPERATURE: Carbon monoxide, carbon dioxide, and oxides of nitrogen.

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SECTION VII - SPILL OR LEAK PROCEDURES

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-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Evacuate all non-essential personnel. Remove all sources of ignition (flame, spark sources, hot surfaces). Ventilate area. Contain and remove with inert absorbent and non-sparking tools.

-WASTE DISPOSAL METHOD:

Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Empty containers must be handled with care, due to product residue and flammable vapor. DO NOT incinerate closed containers.

ALSO SEE SECTION IV, V, VI, FOR OTHER PRECAUTIONS.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

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-RESPIRATORY PROTECTION:

A respirator that is recommended or approved for use in an organic vapor environment (air purifying or fresh air supplied) is necessary. Observe OSHA regulations for respirator use. Ventilation should be provided to keep exposure levels below the OSHA permissible limits.

-VENTILATION:

Exhaust ventilation sufficient to keep the airborne concentrations of

solvent vapors or mists below their respective TLV's must be utilized.  
Remove all ignition sources (heat, sparks, flame, and hot surfaces).

-PROTECTIVE GLOVES:

Protective gloves are recommended (cotton, neoprene, rubber, polyethylene) to prevent skin contact.

-EYE PROTECTION:

The use of safety eyewear is recommended, including splash guards or side shields, chemical goggles or face shields.

-OTHER PROTECTIVE EQUIPMENT:

The use of long sleeve and long leg clothing is recommended. Remove and wash contaminated clothing before reuse.

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SECTION IX - SPECIAL PRECAUTIONS

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-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store in buildings designed to comply with OSHA 1910.106  
Avoid storing near high temperatures, fire, open flames, and spark sources. Store in tightly closed containers. Store in well ventilated areas.

-OTHER PRECAUTIONS:

Keep containers tight and upright to prevent leakage. Prevent prolonged breathing of vapors or spray mists. Prolonged over-exposure may cause an allergic reaction. Avoid contact with skin and eyes. Do not take internally. Do not handle until the manufacturers safety precautions have been read and understood. Wash hands before eating, smoking, or using washroom. Smoke in smoking areas ONLY.

DOT #UN-1263

ACTUAL VOC DETERMINED PER EPA REFERENCE METHOD 24.

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SECTION X - REGULATORY INFORMATION

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-SARA 313:

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right To Know Act of 1986 and of 40 CFR 372:

CAS #	Chemical Name	Percent by Weight
61789-51-3	PAINT DRIER	0.04
Contains a cobalt compound, 6% by weight		
108-88-3	TOLUENE	0.02

-PROP 65-CARCINOGENIC:

WARNING: This product contains a chemical known to the state of California to cause cancer.

CAS #	Chemical Name
	None

-PROP 65-TERATOGENIC:

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

CAS #	Chemical Name
108-88-3	TOLUENE

-PROP 65-CARCINOGENIC & TERATOGENIC:

WARNING: This product may contain a chemical known to the state of California to cause cancer or birth defects or other reproductive harm

CAS #	Chemical Name
	None