

SECTION I- PRODUCT IDENTIFICATION

PRODUCT NAME: GRAINING LIQUID
PRODUCT CODE: 777110, 777111
FACTORY CODE:
MANUFACTURER'S NAME: DOVER FINISHING PRODUCTS
 3245 J B DESCHAMPS
 LACHINE, QUEBEC
 H8T 3E4
INFORMATION PHONE: (514) 420-6030
SIMDUT: **CLASS B-2** FLAMMABLE LIQUID WITH A FLASH POINT INFERIOR TO 37 C.
CLASS D-1B TOXIC SUBSTANCE HAVING IMMEDIATE HAZARDOUS EFFECTS
CLASS D-2b TOXIC SUBSTANCE HAVING VARIOUS EFFECTS
DOT NAME: CLASS 3 FLAMMABLE LIQUID
SHIPPING NAME: BUTYL ACETATES UNNA 1123 PG III
REVISED DATE: 2009-10-26

SECTION 1A- FIRST AID MEASURES

EYE CONTACT: Rinse eyes immediately with clear running water for at least 15 minutes, keeping eyelids open. Use cold water. If the victim is wearing contact lenses remove them, do not use eye drops, seek medical attention
SKIN CONTACT: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasif soap. Be particularly careful to clean folds, crevices, creases, and groin. cover the irritated skin with an emolient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
HAZARDOUS SKIN CONTACT: No additional information
SLIGHT INHALATION: Allow the victim to rest in a well ventilated area, seek immediate medical attention.
HAZARDOUS INHALATION: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth to mouth resuscitation. **WARNING** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.
SLIGHT INGESTION: DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
HAZARDOUS INGESTION: No additional information.

SECTION II- HAZARDOUS INGREDIENTS

NAME	CAS#	%WEIGHT	TLV / PEL	LD50 / LC50
N-BUTYL ACETATE	123-86-4	25-50	TWA:150 STEL:200 PPM 1994	ORAL (LD50) ACUTE 14000 MG/KG (RAT) DERMAL (LD50) ACUTE 5000MG/KG (RABBIT)
XYLENE	1330-20-7	3-5	TWA:100 STEL:150 PPM (1992) TWA:434 STEL 651 MG/M3 FROM ACGIH	ORAL (LD50) ACUTE 4300 MG/KG (RAT) DERMAL (LD50) ACUTE >2000 MG/KG (RABBIT) VAPOR(LC50): ACUTE 6700 PPM 4 HRS (RAT)
ISOBUTANOL	78-83-1	3-5	TWA: 50 PPM FROM ACGIH (TLV) 1993	ORAL (LD50): ACUTE 2460 MG/KG (RAT) DERMAL (LD50) ACUTE 3400 MG/KG (RABBIT)
ISOPROPANOL	67-63-0	3-5	TWA: 400 STEL:500 PPM FROM ACGIH (TVL) 1994 TWA:983 STEL 1230 MG/M3 FROM ACGIH 1994	ORAL (LD50) ACUTE 4721 MG/KG (RAT) DERMAL (LD50) ACUTE 13000 MG/KG (RABBIT) VAPOR (LC50) ACUTE 8000 PPM 4HRS (RAT)

ETHANOL	64-17-5	<2	TWA: 1000 PPM FROM ACGIH (TLV)	ORAL(LD50) ACUTE 8000 MG/KG (RAT). VAPOR (LC50) ACUTE 8000 PPM 4HRS (RAT)
BUTANOL-1-OL	71-36-3	<2	TWA: 50 CIEL :50 PPM	ORAL (LD50) ACUTE 2510 MG/KG (RAT) DERMAL(LD50) ACUTE 5300 MG/KG (RABBIT) VAPOR (LC50) ACUTE 8000 PPM 4 HRS (RAT)
N-BUTYL ACETATE	123-86-4	10-25	TWA:150 STEL:200 PPM 1994	ORAL (LD50) ACUTE 14000 MG/KG (RAT) DERMAL (LD50) ACUTE 5000MG/KG (RABBIT) MG/KG (RAT) VAPOR (LC50) ACUTE 19596 PPM 4HRS
(RAT) -1-METHOXY-PROPANOL	107-98-2	<2	TWA: 100 STEL 150PPM	ORAL(LD50) ACUTE 5660 MG/KG (RAT). DERMAL (LD50) ACUTE 13000 MG/KG (RABBIT) GAS (LC50) ACUTE 15000 PPM 4 HRS (RAT)
NITROCELLULOSE	9004-70-0	1-5	NOT AVAILABLE	NOT AVAILABLE

SECTION III - PHYSICAL DATA

Physical state and appearance	Liquid
pH (1% soln/water)	Neutral
Odor threshold	Not available
Volatility	100% (v/v) Weighted average 100% (w/w) Weighted average.
Melting sublimation	-77.9 DEG C.
Boiling condensation point	77 DEG C (lowest known)
Specific gravity.	0.88 (Water = 1)
Vapor density	4 (AIR-1)
Vapor pressure	Highest known is 73 mm of Hg (@ 20 deg C)
Water/oil dist coeff.	Not available
Dispersion properties	Will not readily disperse in hot or cold water. See remark below.
Solubility	Easily soluble in methanol, diethyl- ether. Partially soluble in n-octanol Very slightly soluble in hot or cold water.

SECTION IV -FIRE AND EXPLOSION DATA

The product is	Flammable
Auto-ignition temperature	137 deg C (lowest known)
Fire degradation products	These products are known Carbon Oxides (CO, CO2)
Flash points	(CLOSED CUP) -4.4 deg C (lowest known).
Flammable limits	Lower 1.7% Upper 19%
Fire extinguishing procedures	Explosive. Flammable liquid, SMALL FIRES: Use Dry chemicals, CO2, Alcohol foam or water. LARGE FIRES: Use Alcohol foam, water spray or fog. Cool containers with water fog to avoid overpressure, auto-ignition or explosion. Do not fight fire evacuate the area.
Flammibility	Highly flammable in presence of open flames and sparks and in the presence of combustibles
Risk of explosion	Highly explosive in presence of open flames and sparks, of shocks.

SECTION V - REACTIVITY DATA

STABILITY: The product is not stable (nitrocellulose)

HAZARDOUS DECOMP. OR BYPRODUCTS: Not available

PRODUCTS OF DEGRADATION: Possible hazardous short term degradation products are not anticipated. However, long term degradation products may arise.

CORROSIVITY: No considered corrosive for glass

REACTIVITY: Reactive with oxydizing agents, reducing agents, alkalis
Slightly reactive with organic substances, metal, acids and moisture.

SECTION VI - PREVENTIVE MEASURES

WASTE DISPOSAL: Waste material must be disposed of in accordance with Federal, Provincial, and Local environmental control regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

STORAGE: Do not store above 48 deg. C. Keep in a cool well-ventilated place. Highly toxic materials should be stored in a separate locked safety cabinet or room.

PRECAUTIONS: Keep locked up. Keep away from sources of ignition. Do not ingest. Do not breath fumes or vapor or spray. Take precautionary measures against electrostatic discharges. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately. Avoid contact with eyes and skin. Keep away from incompatibles such as oxidizing agents, reducing agents, organic materials, metals, acids, alkalis, moisture.

SPILLS OR LEAKS.

Small spill or leak. Absorb with an inert material and put the spilled material in an appropriate waste disposal container.

Large spill or leak. Provide maximum ventilation. Only personnel equipped with proper respiratory equipment should be permitted in the area. Remove all sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand, or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or other confined areas. Call local authorities for assistance on disposal.

PROTECTIVE CLOTHING IN CASE OF SPILL: Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient, consult a specialist BEFORE handling this product.

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SECTION VII - PROTECTIVE MEASURES

RESPIRATORY PROTECTION:

Overexposure to vapors may be prevented by ensuring ventilation controls, vapor exhaust or fresh air entry. If TLV of any component is exceeded, use an appropriate NIOSH / MSHA approved respirator. Follow respirator manufacturers directions for respirator use.

VENTILATION:

Provide sufficient mechanical and or local exhaust ventilation to keep the concentration of ingredients listed in section II below the lowest exposure limits.

PROTECTIVE GLOVES:

Use impermeable chemical handling gloves for skin protection.

EYE PROTECTION: Use Chemical safety glasses, goggles, faceshields for eye protection.

OTHER PROTECTIVE CLOTHING OR EQUIPEMENT:

Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of head caps whenever possible is strongly recommended. Clean or dicard contaminated cltoking and shoes.

WORK / HYGIENIC PRACTICES

Eye washes and safety showers in the workplace are recommended.

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SECTION VIII - DISCLAIMER

The information and recommendations contained herein are believed to be accurate at the time of the preparation or obtained from sources believed to be generally reliable. DOVER FINISHING PRODUCTS will not be held liable for claims relating to any party's use of, or reliance on information contained herein, regardless of whether it is claimed the information is inaccurate.