

BINDER

CLIPPER BELT LACER COMPANY

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
 St. Paul, Minnesota
 55144-1000
 1-800-364-3577 or (651) 737-6501 (24 hours)

Copyright, 2000, Minnesota Mining and Manufacturing Company.
 All rights reserved. Copying and/or downloading of this
 information for the purpose of properly utilizing 3M products
 is allowed provided that:

- 1) the information is copied in full with no changes unless
 prior agreement is obtained from 3M, and
- 2) neither the copy nor the original is resold or otherwise
 distributed with the intention of earning a profit thereon.

DIVISION: ADHESIVES DIVISION

TRADE NAME:

3M(TM) Fastbond(TM) Contact Adhesive 30-NF Neutral

ID NUMBER/U.P.C.:

62-4274-5520-9	00-21200-21179-9	62-4274-5535-7	00-21200-85828-4
62-4274-5538-1	00-21200-31346-2	62-4274-6530-7	00-21200-21180-5
62-4274-6535-6	- - -	62-4274-7530-6	00-21200-21181-2
62-4274-7535-5	- - -	62-4274-8530-5	00-21200-21182-9
62-4274-8535-4	00-21200-21182-9	62-4274-9530-4	00-21200-21183-6
62-4274-9531-2	- - -	62-4274-9535-3	00-21200-21183-6
62-4274-9930-6	00-21200-85824-6	62-4274-9935-5	00-21200-85825-3

ISSUED: April 19, 2000

SUPERSEDES: March 29, 2000

DOCUMENT: 10-2980-0

1. INGREDIENT	C.A.S. NO.	PERCENT	
WATER.....	7732-18-5	40	- 50
POLYCHLOROPRENE.....	9010-98-4	30	- 40
GLYCEROL ESTER OF HYDROGENATED ROSIN....	65997-13-9	5	- 10
TERPENE PHENOLIC RESIN.....	68648-57-7	5	- 10
TOLUENE.....	108-88-3	1	- 3
METHYL ALCOHOL.....	67-56-1	1	- 2.5
ZINC OXIDE.....	1314-13-2	1	- 2

IN CASE OF EMERGENCY: THE NUMBERS AT THE TOP OF THIS PAGE PROVIDE 24
 HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.
 The components of this product are in compliance with the chemical
 notification requirements of TSCA.

This product contains the following toxic chemical or chemicals subject to
 the reporting requirements of Section 313 of Title III of the Emergency
 Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372:

- TOLUENE
- METHYL ALCOHOL
- ZINC OXIDE

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately



MSDS: 3M(TM) Fastbond(TM) Contact Adhesive 30-NF Neutral
 April 19, 2000

CLIPPER-BELT-LAGER COMPANY

2. PHYSICAL DATA

BOILING POINT:..... 147.00 F
(methanol)
VAPOR PRESSURE:..... N/A
VAPOR DENSITY:..... 1.10 Air=1
EVAPORATION RATE:..... 1.00 Ether=1
SOLUBILITY IN WATER:..... Good
SPECIFIC GRAVITY:..... 1.100 Water=1
PERCENT VOLATILE:..... ca. 50.00 % by wt
pH:..... ca. 10.00
VISCOSITY:..... 200.0 - 600.0 centipoise
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
liquid, neutral, slight odor of ammonia

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... NONE
FLAMMABLE LIMITS - LEL:..... N/A
FLAMMABLE LIMITS - UEL:..... N/A
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:
Water spray, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:
Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Not applicable.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 0 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
Not applicable.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MSDS: 3M(TM) Fastbond(TM) Contact Adhesive 30-NF Neutral
April 19, 2000



4. REACTIVITY DATA (continued)

HAZARDOUS DECOMPOSITION PRODUCTS:

CLIPPER BELT LACER COMPANY

Carbon Monoxide and Carbon Dioxide, Hydrogen Chloride, Aldehydes, Ketones.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Cover with absorbent material. Collect spilled material. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility in the presence of a combustible material. Dispose of completely cured (or polymerized) material in a sanitary landfill. Dispose of completely cured (or polymerized) material in a facility permitted to accept chemical wastes.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 37 gms/liter Tested per EPA Method 24.
VOC Less H₂O & Exempt Solvents: 77 gms/liter Tested per EPA Method 24.
Hazardous Air Pollutants: ca. 0.09 #/# solids (4.6% by weight).

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: No

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MSDS: 3M(TM) Fastbond(TM) Contact Adhesive 30-NF Neutral
April 19, 2000

PAGE 4

6. SUGGESTED FIRST AID (continued)

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

FLEXCO

IF SWALLOWED:
CLIPPER BELT LACER COMPANY

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact with vapor, spray, or mist. Wear vented goggles.
 Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: nitrile rubber, polyethylene/ethylene vinyl alcohol, polytetrafluoroethylene (Teflon), fluoroelastomer (Viton).

RECOMMENDED VENTILATION:

Use with functioning spray booth or local exhaust. Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Keep container closed when not in use. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
WATER.....	NONE	NONE	NONE	NONE	
POLYCHLOROPRENE.....	NONE	NONE	NONE	NONE	
GLYCEROL ESTER OF HYDROGENATED ROSIN.....	NONE	NONE	NONE	NONE	
TERPENE PHENOLIC RESIN.....	NONE	NONE	NONE	NONE	

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MSDS: 3M(TM) Fastbond(TM) Contact Adhesive 30-NF Neutral
 April 19, 2000

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
TOLUENE.....	50	PPM	TWA	ACGIH	Y
TOLUENE.....	100	PPM	TWA	OSHAV	
TOLUENE.....	150	PPM	STEL	OSHA VACATED PEL	
TOLUENE.....	200	PPM	TWA	OSHA	
TOLUENE.....	300	PPM	CEIL	OSHA	
METHYL ALCOHOL.....	200	PPM	TWA	ACGIH	Y



METHYL ALCOHOL					
CLIPPER BELT LAGER COMPANY	250	PPM	STEL	ACGIH	Y
METHYL ALCOHOL	200	PPM	TWA	OSHA	Y
METHYL ALCOHOL	250	PPM	STEL	OSHA	Y
ZINC OXIDE	10	MG/M3	TWA	ACGIH	
		as dust			
ZINC OXIDE	10	MG/M3	TWA	OSHAV	
		AS DUST			
ZINC OXIDE	5	MG/M3	TWA	ACGIH	
		as FUME			
ZINC OXIDE	10	MG/M3	STEL	ACGIH	
		as FUME			
ZINC OXIDE	5	MG/M3	TWA	OSHA	
		as FUME			
ZINC OXIDE	10	MG/M3	STEL	OSHAV	
		as FUME			
ZINC OXIDE	15	MG/M3	TWA	OSHA	
		AS DUST			
		TOTAL DUST			
ZINC OXIDE	5	MG/M3	TWA	OSHA	
		AS DUST			
		RESPIRABLE FRACTION			

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- OSHAV: Occupational Safety and Health Administration Vacated PEL. Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.

- NONE: None Established

 Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MSDS: 3M(TM) Fastbond(TM) Contact Adhesive 30-NF Neutral
 April 19, 2000

 8. HEALTH HAZARD DATA

EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

Contact with the skin during product use is not expected to result in significant irritation.

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.



INHALATION:

CLIPPER BELT LACER COMPANY

(Upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED:

Ingestion may cause:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Ingestion may cause:

Blindness.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

WARNING: Contains a chemical which can cause birth defects. (108-88-3)

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE March 29, 2000	ISSUE
PRECAUTIONARY INFO.	SECTION CHANGED SINCE March 29, 2000	ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately
□

MSDS: 3M(TM) Fastbond(TM) Contact Adhesive 30-NF Neutral
April 19, 2000

PAGE 7

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the

FLEXCO

~~CLIPPER BELT LACER COMPANY~~ Available directly from 3M.

□

