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Material Safety Data Sheet
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1 Product Identification

Tradename:

3M(TM) FASTBOND(TM) CONTACT ADHESIVE 30-NF NEUTRAL

Product ID:

CS-0406-7129-2 62-4274-5520-9 62-4274-5535-7 62-4274-5538-1
62-4274-6530-7 62-4274-6535-6 62-4274-7530-6 62-4274-7535-5
62-4274-8530-5 62-4274-8535-4 62-4274-9530-4 62-4274-9531-2
62-4274-9535-3 62-4274-9538-7 62-4274-9930-6 62-4274-9932-2
62-4274-9935-5

Intended Use of Product:

Waterbased contact adhesive

Division:

INDUSTRIAL ADHESIVES AND TAPES

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
WATER	7732-18-5	40 - 50
POLYCHLOROPRENE	9010-98-4	30 - 40
GLYCEROL ESTER OF HYDROGENATED ROSIN	65997-13-9	5 - 10
ROSIN, POLYMER WITH PHENOL	68083-03-4	3 - 7
TOLUENE	108-88-3	1 - 3
METHYL ALCOHOL	67-56-1	1 - 2.5

ROSIN 8050-09-7 0.1 - 0.75
NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

3 Hazards Identification

Critical Hazards:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
Prolonged or repeated exposure may cause: Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
Prolonged or repeated exposure may cause: Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.
May be absorbed through skin and cause target organ effects.
May be absorbed following inhalation and cause target organ effects.
May be absorbed following ingestion and cause target organ effects.
TOLUENE (108-88-3): can cause birth defects or other reproductive harm.
METHYL ALCOHOL (67-56-1): can cause birth defects or other reproductive harm.
Toxic by inhalation, in contact with skin and if swallowed.
See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

5 Fire Fighting Measures

Flash point: Not applicable
Lower Explosive Limit (%): Not applicable
Upper Explosive Limit (%): Not applicable
Autoignition temperature: Not available

Suitable Extinguishing Media:
No data available.

Exposure Hazards during Fire:
No unusual fire or explosion hazards are anticipated. Material will not burn.

Combustion Products from Fire:
Aldehydes - During Combustion;
Carbon monoxide - During Combustion;
Carbon dioxide - During Combustion;
Hydrogen Chloride - During Combustion;
Ketones - During Combustion;

Fire Fighting Procedures:
Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

NFPA: Health	2
NFPA: Fire	0
NFPA: Reactivity	0
NFPA: Unusual Reaction Hazard	none

Special Instructions:
Not applicable.

6 Accidental Release Measures

Personal Precautions:
Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill.

Spill Response:
Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. For large spills, if necessary, get assistance from professional spill clean up team. For small spills, carefully neutralize spill by adding appropriate dilute acid such as vinegar. Work slowly to avoid boiling or spattering. Continue to add neutralizing agent until reaction stops. Let cool before collecting. Or use a commercially available caustic

(alkaline or basic) spill clean-up kit. Follow kit directions exactly. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with detergent and water. Place in a closed container approved for transportation by appropriate authorities. Cover, but do not seal for 48 hours. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:

Store under normal warehouse conditions.

Incompatible Materials:

Store away from acids;

Ventilation:

Keep container in well-ventilated area.

Use Instructions:

Contents may be under pressure, open carefully.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact with vapours, mists, or spray.

The following should be worn alone or in combination, as appropriate, to prevent eye contact:

Indirect vented goggles;

Safety glasses with side shields

Hand Protection:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

nitrile rubber;

polyethylene/ethylene vinyl alcohol;

fluoroelastomer (Viton);

Skin Protection:

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory Protection:

Avoid breathing of vapours, mists or spray.

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed

areas thoroughly with soap and water.
Keep out of the reach of children.

Recommended Ventilation:

Use with appropriate local exhaust ventilation.
Provide appropriate local exhaust ventilation on open containers.
Use with functioning spray booth or local exhaust.
Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment.

Ingredient Exposure Data

WATER (7732-18-5)
LD50 (rat, oral) > 90 ml/kg
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.

POLYCHLOROPRENE (9010-98-4)
Specific Ingredient Data
No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.

GLYCEROL ESTER OF HYDROGENATED ROSIN (65997-13-9)
Specific Ingredient Data
No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.

ROSIN, POLYMER WITH PHENOL (68083-03-4)
Specific Ingredient Data
No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.

TOLUENE (108-88-3)
Specific Ingredient Data
LC50 (female rat, inhalation/4 hours vapour): 19.0 mg/l
LD50 (rat, oral) 636 mg/kg
LD50 (dermal, rabbit) 14100 uL/kg
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
ACGIH: TWA 50 ppm (skin contact contributes to exposure) (Table A4)
CMRG: STEL 75 ppm (skin contact contributes to exposure)

METHYL ALCOHOL (67-56-1)

LD50 (rat, oral)	5628 mg/kg
LD50 (dermal, rabbit)	15800 mg/kg
LC50 (rat, inhalation/4 hours)	64000 ppm

Exposure Limits

ACGIH: TWA 200 ppm (skin contact contributes to exposure)
 ACGIH: TWA 260 mg/m3 (skin contact contributes to exposure)
 ACGIH: STEL 250 ppm (skin contact contributes to exposure)
 ACGIH: STEL 325 mg/m3 (skin contact contributes to exposure)

ZINC OXIDE (1314-13-2)

LD50 (rat, oral)	630 mg/kg
LC50 (rat, inhalation/4 hours)	No data available.

Exposure Limits

ACGIH: TWA 5 mg/m3 as fume;
 ACGIH: TWA 5 mg/m3 (Respirable) as dust
 ACGIH: STEL 10 mg/m3 as fume;

ROSIN (8050-09-7)

Specific Ingredient Data

No data available.

LD50 (rat, oral)	7600 mg/kg
LC50 (rat, inhalation/4 hours)	No data available.

Exposure Limits

ACGIH: TWA 0 ppm Sensitizer;

9 Physical and Chemical Properties

Physical form, Color, Odour:	Liquid; neutral; slight ammonia odour;
Odour Threshold:	No data available.
pH:	Approx 10
Boiling point/boiling range:	63.9 C (methanol)
Melting point/melting range:	Not available
Vapour pressure:	<= 27 psia @ 55 C MITS Data
Water Solubility:	No data available.
Specific gravity:	1.1 Water=1
Vapour density:	1.1 Air=1
Volatile organic compounds:	37 gms/liter Tested per US EPA method 24
Evaporation rate:	1.00 Ether=1
Viscosity:	200.0 - 600.0 centipoise
Percent Volatile:	Approximately 50 % by weight

10 Stability and Reactivity

Conditions to Avoid:

None known.

Materials to Avoid:

Strong acids;

Hazardous Decomposition:

Aldehydes - During Combustion;

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Hydrogen Chloride - During Combustion;

Ketones - During Combustion;

Stability and Reactivity:

Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Prolonged or repeated exposure may cause:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

May be absorbed through skin and cause target organ effects.

Effects from Inhalation:

Prolonged or repeated exposure may cause: Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

May be absorbed following inhalation and cause target organ effects.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.

May be absorbed following ingestion and cause target organ effects.

Sensitization Information:

Prolonged or repeated exposure may cause: Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

TOLUENE (108-88-3): can cause birth defects or other reproductive harm.

METHYL ALCOHOL (67-56-1): can cause birth defects or other reproductive harm.

Component Based Information:

Toxic by inhalation, in contact with skin and if swallowed.

Product Based Information:

No data available.

Other Effects & Information:

May cause blindness.

Prolonged or repeated exposure may cause:

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Central Neuropathy: Signs/symptoms may include irritability, memory impairment, personality changes, sleep disorders, and decreased ability to concentrate.

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

13 Disposal Considerations

Product as Sold:

Incinerate in an industrial or commercial facility in the presence of a combustible material. Combustion products will include HCl.

Facility must be capable of handling halogenated materials. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

Product Packaging:

No data available.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

14 Transportation Information

Transportation of Dangerous Goods

TDG Classification: Non-Regulated Material

Special Information:: Contact 3M for more information.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification: D1B, D2A, D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

- AICS - Australian Inventory of Chemical Substances
- EINECS - European Inventory of Existing Commercial Chemical Substances
- TSCA - Toxic Substances Control Act (USA)
- DSL - Domestic Substances List (Canada)

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Section 3 - Hazards Identification - Critical Hazards;

Section 5 - Fire Fighting Measures

Section 8 - Exposure Controls/Personal Protection;

Section 9 - Physical and Chemical Properties;

Section 11 - Toxicological Information;

WHMIS Classification change

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