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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
3M(TM)DISC PAD ADHESIVE PN 08054 METHYLENE CHLORIDE FREE
(XB-4655)

3M Product ID:
GS-2000-1235-8 GS-2000-1237-4 GS-2000-2195-3
GS-2000-2197-9 GS-2000-2201-9 GS-2000-2205-0
GS-2000-3126-7 GS-2000-3125-9

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
DIMETHYL ETHER	115-10-6	50.0 - 53.0
EU Hazard Symbols and Risk Phrases: F+; R:12		
PENTANE	109-66-0	10.0 - 15.0
EU Hazard Symbols and Risk Phrases: F+, Xn, N ; R:12-51/53-65-66-67		
HEAVY NAPHTHENIC DISTILLATE (BP - Greater than 288 C)	64741-96-4	8.0 - 11.0
EU Hazard Symbols and Risk Phrases: (T; R:45)		
CYCLOHEXANE	110-82-7	5.0 - 10.0
EU Hazard Symbols and Risk Phrases: F, Xn,N; R:11-38-50/53-65-67		
HYDROCARBON RESIN	---	5.0 - 10.0
ACETONE	67-64-1	5.0 - 10.0
EU Hazard Symbols and Risk Phrases: (F,Xi; R:11-36-66-67)		
STYRENE/ISOPRENE RUBBER	25038-32-8	2.0 - 5.0

3 HAZARDS IDENTIFICATION

Critical hazards:
Extremely flammable. Dangerous to environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

4 FIRST-AID MEASURES

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 immediate medical attention.

Inhalation:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

Ingestion:

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

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide, Dry chemical, Foam.

Exposure Hazards:

During Fire: Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

Hazardous Decomposition:

Carbon Monoxide and Carbon Dioxide, Toxic vapours, Gases or particulates.

Fire-Fighting Procedures:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

Ventilate area. Extinguish all ignition sources. Cover with absorbent material. Collect using non-sparking tools. Place in a suitable metal container.

7 HANDLING AND STORAGE

Precautions for Safe Storage:

Store at temperatures below 49 C.

Fire Prevention:

Aerosol container contains flammable gas under pressure. Extremely flammable liquid and vapour.

Explosion Prevention:

Keep away from heat, sparks, open flame, and other sources of ignition.

Static Prevention:

Avoid static discharge.

Precautions for Safe Handling:

Do not pierce or burn container, even after use.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

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

Hand Protection:

Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: Nitrile rubber. Polyvinyl alcohol. Fluoroelastomer.

Skin Protection:

Avoid prolonged or repeated skin contact.

Respiratory Protection:

Avoid inhalation of vapours, mists or spray.

Ingestion:

Do not ingest. Keep out of the reach of children.

Recommended Ventilation:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits.

Exposure Limits:

DIMETHYL ETHER (115-10-6)

UK HSE TWA: 400 ppm, 766 mg/m³
UK HSE STEL: 500 ppm, 958 mg/m³
CMRG TWA Exposure Limit: 1000 ppm

PENTANE (109-66-0)

UK HSE TWA: 600 ppm; 1800 mg/m³ OES
UK HSE STEL: 750 ppm; 2250 mg/m³ OES

CYCLOHEXANE (110-82-7)

UK HSE TWA
: 100 ppm; 350 mg/m³ OES

UK HSE STEL
: 300 ppm; 1050 mg/m³ OES

ACETONE (67-64-1)

UK HSE TWA: 750 ppm; 1810 mg/m³ OES
UK HSE STEL: 1500 ppm; 3620 mg/m³ OES

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Liquid in aerosol container pale yellow, mild solvent odour

pH: Not applicable

Boiling point/boiling range: Not determined

Melting point/melting range: Not determined

Flash point: Approximately -42.00 C

Autoflammability: Not determined

Vapour pressure: Not determined

Water Solubility: Nil

Specific gravity: Not determined

Vapour density: Not determined

Volatile organic compounds: Not determined

Evaporation rate: Not determined
Viscosity: Not determined
Percent volatile: Approximately 82 %

10 STABILITY AND REACTIVITY

Conditions to Avoid:
Heat

Materials to Avoid:

Hazardous Decomposition:
Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

Effects from Skin Contact:

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

Effects from Inhalation:

Intentional concentration and inhalation may be harmful or fatal. Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness. Upper respiratory irritation: signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Effects from Ingestion:

Ingestion is not a likely route of exposure to this product.

12 ECOLOGICAL INFORMATION

Other Effects and Information:
Not determined.

13 DISPOSAL CONSIDERATIONS

Special Instructions:

Incinerate in a facility licenced to handle hazardous waste and in the presence of a combustibile material. Facility must be capable of handling aerosol cans. Dispose of empty cans in a landfill/waste disposal site. Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes. Since regulations vary, consult applicable regulations or authorities before disposal.

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: UN1950

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: UN1950

Class: 2.0

Packing Group: Not applicable

Proper Shipping Name: Aerosols

CDG-ROAD (if applicable) Not applicable

ADR/RID CLASSIFICATION:

Class: 2.0

Item Number: 5 f

ICAO/IATA CLASSIFICATION:

Class: CLASS 2.1

Sub-Risk: None

Packing Group: Not applicable

Proper Shipping Name: Aerosols Flammable

15 REGULATORY INFORMATION

Precautionary Label Information:

Symbol(s):

Flame (Extremely Flammable) N Dangerous to environment.

Risk Phrases:

Extremely flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety Phrases:

Keep away from sources of ignition including pilot lights and sparks. No smoking. Do not breathe vapour or spray. Use only in well ventilated areas. Avoid contact with the skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. WARNING! Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 degrees C. Do not pierce or burn, even after use. Do not spray on a naked flame or incandescent material. Keep out of the reach of children. Avoid release to the environment. Refer to special instructions/safety data sheets.

16 OTHER INFORMATION

Regulatory Information:

The following UK Regulations as amended may affect the product as supplied:
The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended.
The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended.
Carriage of Dangerous Goods by Road Regulations, 1996, as amended.
The Petroleum (Consolidation) Act 1928.
The Control of Substances Hazardous to Health Regulations 1999 as amended.
The Special Waste Regulations 1996, as amended.
The Environmental Protection Act, 1990 The Health and Safety at Work Act, 1974.

Reissue date/Reason for reissue.
Removed 3M ID stock numbers.

Intended Use of Product:
To bond cloth or paper backed discs to rubber, plastic or metal back-up pads.

The information on this Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law).

The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials.

For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.