

3M UK PLC
 3M CENTRE, CAIN RD,
 BRACKNELL, BERKSHIRE RG12 8HT
 Tel: 01344 858000

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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:

SCOTCHWELD (TM) DP-100 CLEAR DUO PAK B/A ADHESIVE (PM-7744,
 PM-7745)

3M Product ID:

FS-9100-3429-7

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
PART A (ACCELERATOR)	---	
POLYMERCAPTAN POLYMER	---	80.0 - 90.0
TRIS(2,4,6-DIMETHYLAMINOMONOMETHYL) PHENOL	90-72-2	10.0 - 15.0
EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (Xn,Xi; R:22-36-38)		
PART B (BASE)	---	
EPOXY RESIN EPICHLOROHYDRIN BISPHENOL TYPE A MW<700	25068-38-6	100.0
EU Hazard Symbols and Risk Phrases: EU - Adaptation 25 (Xi,N; R:36-38-43-51-53)		

3 HAZARDS IDENTIFICATION

Critical hazards:

Irritant. Dangerous to environment. Irritating to eyes and skin. May cause sensitisation by skin contact. 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 for at least 15 minutes. Get immediate medical attention.

Skin Contact:

Immediately wash skin with soap and large amounts of water.

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Remove contaminated clothing. If signs/symptoms occur, call a medical doctor. Wash contaminated clothing before reuse and dispose of contaminated shoes.

Inhalation:

If signs or symptoms occur, remove person to fresh air. If signs/symptoms continue, call a medical doctor.

Ingestion:

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

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water, Carbon dioxide, Dry chemical, Foam.

Hazardous Decomposition:

Carbon Monoxide and Carbon Dioxide. Oxides of Nitrogen, Oxides of Sulphur,

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.

Special Instructions:

None known.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

Cover with absorbent material. Collect as much of the spilled material as possible. Place in a suitable metal container.

7 HANDLING AND STORAGE

Precautions for Safe Storage:

Store in a cool place.

Incompatible Materials/Conditions:

Store away from heat.

Fire Prevention:

Not applicable.

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Precautions for Safe Handling:

Do not cure up a mass of combined material larger than 50 grams to prevent the possibility of exotherm.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Avoid eye contact. Wear vented goggles or safety glasses with side shields if exposure is likely.

Hand Protection:

Wear appropriate gloves when handling this material. The following glove material(s) are recommended: Butyl rubber. Polyethylene/ethylene vinyl alcohol.

Skin Protection:

Avoid skin contact.

Respiratory Protection:

Avoid breathing of vapours created during the cure cycle. Avoid breathing of dust created by cutting, sanding, grinding or machining. Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Use half-mask dust respirator.

Ingestion:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest. Keep out of the reach of children.

Recommended Ventilation:

Provide ventilated enclosure for heat curing. Provide appropriate local exhaust for cutting, grinding, sanding or machining. Use in a well-ventilated area. If exhaust ventilation is not adequate, use appropriate respiratory protection.

Exposure Limits:

TRIS(2,4,6-DIMETHYLAMINOMONOMETHYL)

PHENOL (90-72-2)

CMRG TWA Exposure Limit: 5 ppm

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Medium syrup, dark amber to light straw coloured.
pH:	Not applicable
Boiling point/boiling range:	Not applicable
Melting point/melting range:	Not determined

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Flash point:	Not applicable
Autoflammability:	Not determined
Vapour pressure:	Not applicable
Water Solubility:	Nil
Specific gravity:	1.150 - 1.170 Water=1
Vapour density:	Not applicable
Volatile organic compounds:	Not applicable
Evaporation rate:	Not applicable
Viscosity:	10000.0 - 30000.0 centipoise
Percent Volatile:	<1.00 %

10 STABILITY AND REACTIVITY

Conditions to Avoid:
Heat.

Materials to Avoid:
Strong acids. Strong bases. Strong oxidising agents.

Hazardous Decomposition:

Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Effects from Skin Contact:

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

Effects from Inhalation:

Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Vapours from heated material may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain. Dust from cutting, grinding, sanding or machining may cause irritation of the

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respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain.

Effects from Ingestion:

Ingestion may cause: Damage to Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, nausea, abdominal tenderness, burns of mouth, difficulty swallowing, blood in vomit, blood in faeces, and ulceration.

12 ECOLOGICAL INFORMATION

Other Effects and Information:

Not determined.

13 DISPOSAL CONSIDERATIONS

Special Instructions:

Cure (harden, set, or react) the product according to product instructions. As a disposal alternative, incinerate uncured product in an industrial or commercial incinerator. Dispose of completely cured (or polymerised) wastes in a sanitary landfill. Since regulations vary, consult applicable regulations or authorities before disposal.

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: UN 3082

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: UN 3082

Class: 9.0

Packing Group: III

Proper Shipping Name: Environmentally hazardous substance, liquid, N.O.S (liquid Epoxy resin)

CDG-ROAD (if applicable) If the product is in containers of 25 litres or more CDG-ROAD applies.

ADR/RID CLASSIFICATION:

Class: 9.0

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Item Number: 11c

ICAO/IATA CLASSIFICATION:

Class: 9.0

Sub-Risk: Not applicable

Packing Group: III

Proper Shipping Name: Environmentally hazardous
substance, liquid, N.O.S
(liquid Epoxy resin)

15 REGULATORY INFORMATION

Symbol(s):

(Xi) St. Andrew's Cross (Irritant). (N) Dangerous to
environment.

Risk Phrases:

(R36/38) Irritating to eyes and skin. (R43) May cause
sensitisation by skin contact. (R51/53) Toxic to aquatic
organisms. May cause long-term adverse effects in the aquatic
environment.

Safety Phrases:

Use only in well ventilated areas. Do not breathe vapour. Do
not breathe dust. Avoid contact with the skin and eyes. Wear
suitable gloves. 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 soap
and water. Avoid release to the environment. Refer to special
instructions/safety data sheets. Contains Epoxy Resins. See
information supplied by manufacturer.

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)

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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.
Updated label and transport information.

Intended Use of Product:
This is a two part industrial structural adhesive used for
bonding metal, glass, ceramics and plastics.

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.