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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

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Tradename:

3M (TM)POLYURETHANE GENERAL PURPOSE SEAM SEALER, GREY, 08684  
08782 08783

3M Product ID:

XS-0034-9181-7 XS-0034-9142-9 XS-0034-9130-4  
DS-2729-9026-0

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2 COMPOSITION/INFORMATION ON INGREDIENTS

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Ingredient name and classification	CAS number	Percentage
POLYURETHANE PREPOLYMER	68130-40-5	30.0 - 40.0
POLYVINYL CHLORIDE	9002-86-2	20.0 - 30.0
SULFONIC ACIDS, C10-21ALKANE, PH ESTERS	91082-17-6	20.0 - 30.0
TITANIUM DIOXIDE/IRON OXIDE PIGMENT	---	1.0 - 5.0
HYDROTREATED LIGHT PETROLEUM DISTILLATES (XN; R:22)	64742-47-8	Less Than 2.0
EU Hazard Symbols and Risk Phrases: Xn; R:65		
XYLENE	1330-20-7	2.0 - 8.0
EU Hazard Symbols and Risk Phrases: EU - Adaptation 25 (Xn,Xi; R:10-20-21-38)		
DIPHENYLMETHANE-4 4'-DIISOCYANATE (MDI)	101-68-8	Less Than 0.7
EU Hazard Symbols and Risk Phrases: EU - Adaptation 28 (Xn,Xi; R:20-36-37-38-42-43)		

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3 HAZARDS IDENTIFICATION

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Critical hazards:

Harmful. May cause sensitisation by inhalation.

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4 FIRST-AID MEASURES

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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

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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.

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5 FIRE-FIGHTING MEASURES  
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Suitable Extinguishing Media:

Water spray, Carbon dioxide, Dry chemical, Foam.

Hazardous Decomposition:

Carbon monoxide, carbon dioxide, oxides of nitrogen, and isocyanates.

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.

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6 ACCIDENTAL RELEASE MEASURES  
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Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. 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. Place in a suitable metal container.

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## 7 HANDLING AND STORAGE

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Precautions for Safe Storage:

Keep container closed when not in use.

Incompatible Materials/Conditions:

Store away from heat.

Explosion Prevention:

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

Precautions for Safe Handling:

Keep container tightly closed.

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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Eye Protection:

Avoid eye contact. Wear 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: Nitrile rubber.

Skin Protection:

Avoid skin contact.

Respiratory Protection:

Avoid inhalation of vapours.

Ingestion:

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

Recommended Ventilation:

Use in a well-ventilated area.

Exposure Limits:

POLYVINYL CHLORIDE (9002-86-2)

UK HSE TWA: 10 mg/m<sup>3</sup> Total inhalable dust; Respirable dust 4 mg/m<sup>3</sup> OES

HYDROTREATED LIGHT PETROLEUM DISTILLATES (XN; R:22) (64742-47-8)

UK HSE TWA: 300 ppm  
CMRG TWA Exposure Limit: 300 ppm

XYLENE (1330-20-7)

UK HSE TWA: 50 ppm; 220 mg/m<sup>3</sup> skin OES  
UK HSE STEL: 100 ppm; 441 mg/m<sup>3</sup> skin OES

DIPHENYLMETHANE-4 4'-DIISOCYANATE (MDI) (101-68-8)

UK HSE TWA: 0.02 mg/m<sup>3</sup> sen MEL

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UK HSE STEL: 0.07 mg/m<sup>3</sup> sen MEL

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9 PHYSICAL AND CHEMICAL PROPERTIES  
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Appearance and Odour: Grey paste with a solvent  
odour.

pH: Not determined

Boiling point/boiling range: Not determined

Melting point/melting range: Not determined

Flash point: Greater than 50 degrees C

Autoflammability: Not determined

Vapour pressure: Not determined

Water Solubility: Nil

Specific gravity: 1.17 grams/cubic centimeters

Vapour density: Not determined

Volatile organic compounds: 105g/litre

Evaporation rate: Not determined

Viscosity: Not determined

Percent Volatile:

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10 STABILITY AND REACTIVITY  
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Materials to Avoid:

Amines, Alcohols. Water, Reaction with water, alcohols and amines is not hazardous if container can vent to the atmosphere to prevent pressure build-up.

Hazardous Decomposition:

Stable. Hazardous polymerisation will not occur.

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## 11 TOXICOLOGICAL INFORMATION

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### Effects from Eye Contact:

Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

### Effects from Skin Contact:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

### Effects from Inhalation:

Allergic Respiratory Reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest. Persons previously sensitised to isocyanates may experience an allergic respiratory reaction: signs/symptoms can include difficulty breathing, wheezing, tightness of chest, and respiratory failure. Single overexposure, above recommended guidelines, may cause: Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness. Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

### Effects from Ingestion:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions. Ingestion may cause: Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhoea and vomiting.

### Other Effects and Information:

Persons previously sensitised to isocyanates may experience an allergic skin reaction: signs/symptoms can include redness, swelling, blistering, and itching.

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## 12 ECOLOGICAL INFORMATION

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### Other Effects and Information:

Not determined.

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13 DISPOSAL CONSIDERATIONS  
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Special Instructions:

As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material. Since regulations vary, consult applicable regulations or authorities before disposal.

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14 TRANSPORT INFORMATION  
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UN NUMBER:

UN number: Not restricted for  
transportation

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: Not applicable

Class: Not applicable

Packing Group: Not applicable

Proper Shipping Name: Not applicable

CDG-ROAD (if applicable) Not applicable

ADR/RID CLASSIFICATION:

Class: Not applicable

Item Number: Not applicable

ICAO/IATA CLASSIFICATION:

Class: Not applicable

Sub-Risk: Not applicable

Packing Group: Not applicable

Proper Shipping Name: Not applicable

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15 REGULATORY INFORMATION  
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Symbol(s):

St. Andrew's Cross (Harmful)

Risk Phrases:

May cause sensitisation by inhalation.

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Safety Phrases:

Do not breathe vapour. 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 soap and water. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Contains isocyanates. See information supplied by manufacturer.

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16 OTHER INFORMATION  
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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 number.

Intended Use of Product:

General purpose grey sealer with good adhesion to bare, primed  
and abraded metal, zinc coating, aluminium, plastic, rubber  
and wood.

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

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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.