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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)DRIP-CHEK SEALER CLEAR 08401

3M Product ID:  
FS-9100-2156-7

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2 COMPOSITION/INFORMATION ON INGREDIENTS

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Ingredient name and classification	CAS number	Percentage
TOLUENE	108-88-3	15.0 - 40.0
EU Hazard Symbols and Risk Phrases: EU - Adaptation 29 (F,Xi, Xn; R:11-38-48/20-Repr.Cat.3;63-65-67)		
HYDROCARBONS, C6-20, POLYMERS, HYDROGENATED	69430-35-9	10.0 - 30.0
STYRENE/ALPHA-METHYLSTYRENE COPOLYMER	9011-11-4	10.0 - 30.0
WHITE MINERAL OIL (PETROLEUM)	8042-47-5	7.0 - 13.0
HYDROGENATED STYRENE-BUTADIENE POLYMER	66070-58-4	7.0 - 13.0
SYNTHETIC AMORPHOUS SILICA, FUMED, CRYSTALLINE FREE	112945-52-5	5.0 - 10.0
XYLENE	1330-20-7	1.0 - 5.0
EU Hazard Symbols and Risk Phrases: EU - Adaptation 25 (Xi,Xn; R:10-20-21-38)		
EINECS No: 2155357		
ETHYLBENZENE	100-41-4	0.1 - 1.0
Regulatory Lists: IARC(Group 2B)		
EU Hazard Symbols and Risk Phrases: EU - Adaptation 19 (F,Xn; R:11-20)		
EINECS No: 2028494		

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3 HAZARDS IDENTIFICATION

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Critical hazards:  
Highly flammable. Harmful. Harmful: Danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause drowsiness and dizziness. Irritating to skin.  
Possible risk of harm to the unborn child.

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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 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:

If swallowed, call a medical doctor immediately. Only induce vomiting at the instruction of a medical doctor. Never give anything by mouth to an unconscious person.

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## 5 FIRE-FIGHTING MEASURES

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Suitable Extinguishing Media:

Carbon dioxide, Dry chemical Foam.

Exposure Hazards:

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.

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## 6 ACCIDENTAL RELEASE MEASURES

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Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

Ventilate the area with fresh air. 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 using non-sparking tools. 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.

Explosion Prevention:

Flammable liquid and vapour. Keep away from heat, sparks, open flame, pilot lights and other 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. Indirect vented goggles. Safety glasses with side shields.

Hand Protection:

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

Skin Protection:

Avoid skin contact.

Respiratory Protection:

Avoid prolonged breathing of vapours.

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:

TOLUENE (108-88-3)

HSE WEL TWA: 50 ppm; 191 mg/m<sup>3</sup> skin OES  
HSE WEL STEL: 150 ppm; 574 mg/m<sup>3</sup> skin OES

WHITE MINERAL OIL (PETROLEUM) (8042-47-5)

CMRG TWA Exposure Limit: 5 mg/m<sup>3</sup>  
CMRG STEL: 10 mg/m<sup>3</sup>

XYLENE (1330-20-7)

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

ETHYLBENZENE (100-41-4)

HSE WEL TWA: 100 ppm; 441 mg/m<sup>3</sup> OES  
HSE WEL STEL: 125 ppm; 552 mg/m<sup>3</sup> OES

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

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Appearance and Odour: Buttery paste

pH: Not applicable

Boiling point/boiling range: 111.10 C (Toluene)

Melting point/melting range: Not determined

Flash point: 4.00 C, Tag closed cup

Autoflammability: Not determined

Vapour pressure: 25.1900 mmHg at room temperature

Water Solubility: Nil  
Specific gravity: 0.980 Water=1  
Vapour density: 3.14 Air=1  
Volatile organic compounds: Approximately 351.00 g/l  
maximum  
Evaporation rate: 4.50 Ether=1  
Viscosity: 450000.0 centipoise  
Percent Volatile: Not determined

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## 10 STABILITY AND REACTIVITY

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Materials to Avoid:  
Not applicable.

Hazardous Decomposition:  
Stable. Hazardous polymerisation will not occur.

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## 11 TOXICOLOGICAL INFORMATION

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Effects from Eye Contact:  
Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or 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:  
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:  
Ingestion may cause: Gastrointestinal Irritation:  
Signs/symptoms may include abdominal pain, nausea, diarrhoea and vomiting.

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## 12 ECOLOGICAL INFORMATION

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Ecotoxicity Data:  
Not determined.

Other Effects and Information:  
Not determined. Since regulations vary, consult applicable regulations or authorities before disposal.

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## 13 DISPOSAL CONSIDERATIONS

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Special Instructions:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Dispose of waste product in a facility permitted to accept chemical waste. 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: UN1325

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: UN1325

Class: 4.1

Packing Group: II

Proper Shipping Name: Flammable solid, organic,  
N.O.S.(ETHYLBENZENE, TOLUENE  
AND XYLENE)

ADR/RID CLASSIFICATION:

Class: 4.1

ADR classification: F1

ICAO/IATA CLASSIFICATION:

Class: 4.1

Sub-Risk: Not applicable

Packing Group: II

Proper Shipping Name: Flammable solid, organic,  
N.O.S.(ETHYLBENZENE, TOLUENE  
AND XYLENE)

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#### 15 REGULATORY INFORMATION

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Disclosable Ingredients:  
TOLUENE

Symbol(s):  
(F) Flame (Highly Flammable). (Xn) St. Andrew's Cross  
(Harmful).

Risk Phrases:  
(R11) Highly Flammable. (R48/20) Harmful: Danger of serious  
damage to health by prolonged exposure through inhalation.  
(R67) Vapours may cause drowsiness and dizziness. (R38)  
Irritating to skin. (R63) Possible risk of harm to the unborn  
child.

Safety Phrases:  
Keep away from sources of ignition - No Smoking. Do not  
breathe vapour. Use only in well ventilated areas. Avoid  
contact with the skin and eyes. Wear suitable protective  
clothing and 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  
water.

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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 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 SECTIONS: 12,14,15.

Intended Use of Product:  
The product is used for edge sealing in car body repair work,  
e.g., sealing vinyl roof tops.

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.