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**3M Weld-Thru II Coating 05917, 50410**

EU Number: EINECS 200-662-2  
 EU Classification: F: R11; Xi: R36; R66-67  
 Petroleum gases, liquefied, 68476-86-8 10 - 30  
 sweetened  
 EU Number: EINECS 270-705-8  
 EU Classification: EU-Adaptation 30(F+,T;  
 R:12-Carc.Cat.1;45-Muta.Cat.2;46)  
 EU Nota: H,K,S  
 Zinc 7440-66-6 7 - 13  
 EU Number: EINECS 231-175-3  
 EU Classification: F: R15-17; N: R50-53  
 Xylene 1330-20-7 3 - 7  
 EU Number: EINECS 215-535-7  
 EU Classification: R10; Xi: R38; Xn: R20/21  
 EU Nota: C  
 Zinc rich primer Mixture 1 - 5  
 Ethylbenzene 100-41-4 1 - 5  
 EU Number: EINECS 202-849-4  
 EU Classification: F: R11; Xn: R20  
 Aluminium 7429-90-5 1 - 5  
 EU Number: EINECS 231-072-3  
 EU Classification: F: R11-15  
 EU Nota: T  
 Stoddard solvent 8052-41-3 < 2  
 EU Number: EINECS 232-489-3  
 EU Classification: Carc.Cat.2: R45; Muta.Cat.2 R46; Xn: R65  
 3M Classification: R66-67  
 EU Nota: 4,H,P  
 Toluene 108-88-3 < 0.1  
 EU Number: EINECS 203-625-9  
 EU Classification: Repr.Cat.3: R63; F: R11; Xn: R48/20-65; Xi:  
 R38; R67  
 EU Nota: 4

**Additional Information:**

Nota K applies to CAS 68475-86-8.  
 Nota P applies to CAS 64742-95-6 and 8052-41-3.

**4 FIRST-AID MEASURES**

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**4.1 Eye Contact:**

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

**4.2 Skin Contact:**

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Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

#### **4.3 Inhalation:**

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

#### **4.4 Ingestion:**

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

## **5 FIRE-FIGHTING MEASURES**

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### **5.1 Suitable Extinguishing Media:**

Use fire extinguishers with class B extinguishing agents (e.g. dry chemical, carbon dioxide).

### **5.2 Unsuitable Extinguishing Media:**

Not specified.

### **5.3 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.

### **5.4 Combustion Products from Fire:**

Not determined.

### **5.5 Fire-Fighting Procedures:**

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment and a self-contained breathing apparatus.

### **5.6 Special Instructions:**

Aerosol container contains flammable material under pressure.

## **6 ACCIDENTAL RELEASE MEASURES**

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### **6.1 Personal Precautions:**

Refer to other sections of this Safety Data Sheet for information

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regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**6.2 Methods for Cleaning up:**

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel.

Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools.

Ventilate the area with fresh air.

For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice.

Warning| A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

Contain spill.

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.

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR-AFFF type foam is recommended.

Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard.

Collect as much of the spilled material as possible using non-sparking tools.

Clean up residue with an appropriate solvent selected by a qualified and authorised person.

Read and follow safety precautions on the solvent label and Safety Data Sheet.

Collect the resulting residue containing solution.

Place in an approved metal container.

Seal the container.

Dispose of collected material as soon as possible.

**7 HANDLING AND STORAGE**

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**7.1 Precautions for Safe Handling:**

Vapours may ignite explosively. May cause flash fire. Prevent

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build-up of vapours - open all windows and doors. Maintain vapour concentrations below recommended exposure limits. Use only with cross-ventilation. Without adequate ventilation, vapours may settle in low-lying areas. Keep away from heat, sparks, and open flame. Do not smoke or ignite matches, lighters, etc. For industrial or professional use only. Extinguish pilot lights and turn off all gas and electric appliances (eg cookers, fires, televisions) and other sources of ignition during adhesive use and until all vapours are gone; i.e., until the odour of vapours at the floor level has disappeared. Do not use electric light switches. Do not generate static sparks (such as by walking on carpet, etc.) Use the same precautions in the work area and all connected areas. Keep container tightly closed. Do not pierce or burn container, even after use. Avoid eye contact with vapours, mists, or spray. Avoid inhalation of vapours, mists or spray. Avoid breathing of dust created by cutting, sanding, grinding or machining. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid contact with oxidising agents. Keep away from strong bases and amines. When welding on 3M Weldable Primer, adhere to the standard precautions normally taken for welding. Avoid breathing fumes during welding operations. The use of local exhaust ventilation is recommended to control welding fumes. When local exhaust ventilation is not used, an approved respirator is recommended.

- Fire Prevention:

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

7.2 Precautions for Safe Storage:

Store away from areas where product may come into contact with food or pharmaceuticals.

Store at temperatures below 49 °C.

Do not store containers on their sides.

- Ventilation:

Keep container in a well-ventilated area.

- Incompatible Materials/Conditions:

Store away from heat.

Store out of direct sunlight.

Store away from acids.

Store away from oxidising agents.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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**8.1 Recommended Ventilation:**

Do not use in a confined area or areas with little or no air movement. Use with functioning spray booth or local exhaust. Use with appropriate local exhaust ventilation. Provide appropriate local exhaust for cutting, grinding, sanding or machining.

**8.2 Exposure Limits:**

Acetone (67-64-1)

HSE WEL TWA: 1210 mg/m<sup>3</sup>; 500 ppm  
HSE WEL STEL: 3620 mg/m<sup>3</sup>; 1500 ppm  
IOELV TWA: 1210 mg/m<sup>3</sup>; 500 ppm

Xylene (1330-20-7)

HSE WEL TWA: 220 mg/m<sup>3</sup>; 50 ppm (skin)  
HSE WEL STEL: 441 mg/m<sup>3</sup>; 100 ppm (skin)  
IOELV TWA: 221 mg/m<sup>3</sup>; 50 ppm (skin)  
IOELV STEL: 442 mg/m<sup>3</sup>; 100 ppm (skin)

Ethylbenzene (100-41-4)

HSE WEL TWA: 441 mg/m<sup>3</sup>; 100 ppm (skin)  
HSE WEL STEL: 552 mg/m<sup>3</sup>; 125 ppm (skin)  
IOELV TWA: 442 mg/m<sup>3</sup>; 100 ppm (skin)  
IOELV STEL: 884 mg/m<sup>3</sup>; 200 ppm (skin)

Aluminium (7429-90-5)

HSE WEL TWA: 10 mg/m<sup>3</sup> (inhalable dust)  
4 mg/m<sup>3</sup> (respirable dust)

Toluene (108-88-3)

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

**8.3 Exposure Controls:**

**8.3.1 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: Safety glasses with side shields. Indirect vented goggles.

**8.3.2 Hand Protection:**

The following glove material(s) are recommended: Polyethylene or ethylene vinyl alcohol.

**8.3.3 Skin Protection:**

Avoid skin contact.

**8.3.4 Respiratory Protection:**

Avoid inhalation of vapours, mists or spray. When welding through this coating, use appropriate respiratory protection against

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hazardous decomposition products. 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: Half facepiece or fullface air-purifying respirator with organic vapour cartridges and P2 particulate prefilters.

**8.3.5 Ingestion:**

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.

**9 PHYSICAL AND CHEMICAL PROPERTIES**  
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- Appearance and Odour:	Grey/Metallic aerosol with solvent odour.
- pH:	Not applicable
- Melting point/melting range:	Not applicable
- Flash point:	-104.44 °C (PMCC)
- Autoflammability:	Not determined
- Flammable Limits - LEL:	0.7 %
- Flammable Limits - UEL:	12.8 %
- Vapour pressure:	10.6 - 12 kPa
- Water Solubility:	Appreciable
- Specific gravity:	0.796 (Water=1)
- Volatile organic compounds:	285 g/l (SCAQMD 443.1 calculated) (excluding exempt compounds)
- Percent Volatile:	35.64 %

**10 STABILITY AND REACTIVITY**  
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**3M Weld-Thru II Coating 05917, 50410****10.1 Stability and Reactivity:**

Stable. Hazardous polymerisation will not occur.

**10.2 Conditions to Avoid:**

Heat.

All sources of ignition, welding arcs, and open flame.

**10.3 Materials to Avoid:**

Strong acids.

Strong bases.

Strong oxidising agents.

Amines.

**10.4 Hazardous Decomposition:**

Oxides of nitrogen.

Hydrogen chloride.

Hydrocarbons.

Oxides of zinc.

Phosgene.

Chlorine.

Toxic vapours, gases or particulates.

Carbon monoxide.

Carbon dioxide.

**11 TOXICOLOGICAL INFORMATION**

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**11.1 Effects from Eye Contact:**

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

**11.2 Effects from Skin Contact:**

- Delayed Dermal Irritation: Signs/symptoms may include localised redness, swelling, itching, and pain. These effects may not appear immediately following exposure.

**11.3 Effects from Inhalation:**

- May be absorbed following inhalation and cause target organ effects.

- Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

- Intentional concentration and inhalation may be harmful or fatal.

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## 11.4 Effects from Ingestion:

- May be harmful if swallowed.

Ingestion may cause:

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

## 11.5 Other Effects and Information:

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

Prolonged or repeated exposure, above recommended guidelines, may cause:

- Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.
- Kidney Effects: Signs/symptoms may include reduced or absent urine production, increased serum creatinine, lower back pain, increased protein in urine, and increased blood urea nitrogen (BUN).

- Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

**12 ECOLOGICAL INFORMATION**  
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## 12.1 Environmental Data:

Not determined.

## 12.2 Mobility in Soil and Water:

Not determined.

## 12.3 Persistence/Biodegradability:

Not determined.

## 12.4 Bioaccumulation Potential:

Not determined.

## 12.5 Ecotoxicity Data:

Not determined.

## 12.6 Ecofate Data:

Not determined.

## 12.7 Special statements for 2001/58/EC:

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EU VOC calculated 3/26/07: 671.74 g/L MASB

**13 DISPOSAL CONSIDERATIONS**

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**13.1 Product as Sold:**

Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility. Facility must be capable of handling aerosol cans. Combustion products will include HCl. Facility must be capable of handling halogenated materials. Dispose of empty product containers in a sanitary landfill.

**13.2 Product in Use:**

Not determined.

**13.3 Product after Use:**

Do not puncture or burn cans in a household incinerator.

**13.4 Product Packaging:**

Not determined.

**13.5 Potential for Recycling:**

Not determined.

**13.6 Special Instructions:**

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

**14 TRANSPORT INFORMATION**

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**Transport Details:**

Please see the Annex to this document in which all transportation information is given.

**15 REGULATORY INFORMATION**

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**Symbol(s):**

F+ Extremely flammable.  
Xi Irritant.

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N Dangerous to environment.

## Risk Phrases:

R12 Extremely flammable.  
R67 Vapours may cause drowsiness and dizziness.  
R36 Irritating to eyes.  
R66 Repeated exposure may cause skin dryness or cracking.  
R51/53 Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

## Safety Phrases:

3M WARNING! Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or incandescent material.  
S16 Keep away from sources of ignition - No Smoking.  
S2 Keep out of the reach of children.  
S23C Do not breathe vapour or spray.  
S24 Avoid contact with skin.  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

## Disclosable Ingredients:

No ingredients required on the label.

## Product Certifications:

EINECS.

## 16 OTHER INFORMATION

## 16.1 Complete list of risk phrases:

R10 Flammable.  
R11 Highly flammable.  
R12 Extremely flammable.  
R15 Contact with water liberates highly flammable gases.  
R17 Spontaneously flammable in air.  
R20 Harmful by inhalation.  
R21 Harmful in contact with skin.  
R36 Irritating to eyes.  
R38 Irritating to skin.  
R45 May cause cancer.  
R46 May cause heritable genetic damage.

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- R48 Danger of serious damage to health by prolonged exposure through inhalation.
- R50 Very toxic to aquatic organisms.
- R51 Toxic to aquatic organisms.
- R53 May cause long-term adverse effects in the aquatic environment.
- R63 Possible risk of harm to the unborn child.
- R65 Harmful: May cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

16.2 Limitations on Use of Product:

For industrial or professional use only.

16.3 Reissue date/Reason for reissue:

Updated SDS history.

16.4 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;

The Control of Substances Hazardous to Health Regulations 1999 as amended;

The Special Waste Regulations 1996, as amended;

The Environmental Protection Act, 1990, as amended;

The Health and Safety at Work Act, 1974, as amended.

The information on this Safety 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.



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ANNEX: Transport information as per paragraph 14 of the MSDS

Major change to the transportation information.

DS-2729-9091-4

ADR/RID

UN1950 AEROSOLS, LIMITED QUANTITY, 2.1, (D), 5F

IMDG-CODE

UN1950 AEROSOLS (ZINC), 2.1 , Marine Pollutant (ZINC) ,limited quantity

ICAO/IATA

UN1950 AEROSOLS, FLAMMABLE, 2.1

