

=====

SAFETY DATA SHEET

=====

Document id : 08-5663-3 Issue date : 10/10/2007
Version : 10.00 Supersedes date : 23/08/2007

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Tradename:

3M Spray Schutz, 08877 E (UK 9418).

1.2 Intended Use of Product:

A rubberised underbody coating.

1.4 Contact Address:

3M UK PLC 3M Ireland
3M Centre, Cain Road, 3M House, Adelphi Centre,
Bracknell, Berkshire, RG12 8HT Dun Laoghaire, Co. Dublin

1.5 E-mail Address and Emergency Contact Number:

tox.uk@mmm.com
+44 (0)1344 858 000

2 HAZARDS IDENTIFICATION

Risk Phrases:

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

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
Naphtha (petroleum), hydrotreated light EU Number: EINECS 265-151-9 EU Classification: Carc.Cat.2: R45; Xn: R65 Vendor Classification: F: R11; Xi: R38; N: R51/53; R67 EU Nota: 4, H, P	64742-49-0	25 - 35
Talc EU Number: EINECS 238-877-9	14807-96-6	15 - 25
Propane EU Number: EINECS 200-827-9 EU Classification: F+: R12	74-98-6	10 - 20
Asphalt EU Number: EINECS 232-490-9	8052-42-4	5 - 15
Alpha-methylstyrene-isoamylene- piperylene poymer	62258-49-5	5 - 15
Solvent naphtha (petroleum), light aliphatic EU Number: EINECS 265-192-2 EU Classification: Carc.Cat.2: R45; Xn: R65 Concawe report 01/54: N: R51/53 EU Nota: 4, H, P	64742-89-8	5 - 15

Butadiene-styrene-meta-divinylbenzene polymer	26471-45-4	1 - 5
Dimethyl ether	115-10-6	1 - 5
EU Number: EINECS 204-065-8		
EU Classification: F+: R12		
Synthetic amorphous silica, fumed, crystalline free	112945-52-5	1 - 5
Toluene	108-88-3	1 - 5
EU Number: EINECS 203-625-9		
EU Classification: F: R11; Repr.Cat.3: R63; Xn: R48/20-65; Xi: R38; R67		
EU Nota: 4, 6		
Carbon black	1333-86-4	0.1 - 1
EU Number: EINECS 215-609-9		

Additional Information:

Nota P applies to CAS 64742-89-8.

4 FIRST-AID MEASURES

4.1 Eye Contact:

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

4.2 Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and shoes before reuse.

4.3 Inhalation:

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

4.4 Ingestion:

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

5 FIRE-FIGHTING MEASURES

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

6.1 Personal Precautions:

Refer to other sections of this Safety Data Sheet for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2 Methods for Cleaning up:

Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Evacuate unprotected and untrained personnel from hazard area.

The spill should be cleaned up by qualified personnel.

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.

Place leaking containers in a well-ventilated area, preferably in an exhaust hood, if available, or outdoors.

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.

Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) 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. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS.

Collect the resulting residue containing solution.

Place in a metal container approved for transportation by appropriate authorities.

Seal the container.

Dispose of collected material as soon as possible.

7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep container tightly closed. Do not pierce or burn container, even after use. Avoid inhalation of vapours, mists or spray. Avoid eye contact with vapours, mists, or spray. Avoid contact with oxidising agents.

- Fire Prevention:

Do not spray near flames or sources of ignition. Aerosol container contains flammable gas under pressure. Extremely flammable liquid and vapour.

- Explosion Prevention:

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

- Static Prevention:

Avoid static discharge.

7.2 Precautions for Safe Storage:

Do not store containers on their sides.

- Incompatible Materials/Conditions:

- Store away from acids.
- Store away from heat.
- Store out of direct sunlight.
- Store away from oxidising agents.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Recommended Ventilation:

If exhaust ventilation is not available, use appropriate respiratory protection. Do not use in a confined area or areas with little or no air movement. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapour, or spray. If ventilation is not adequate, use respiratory protection equipment.

8.2 Exposure Limits:

Talc (14807-96-6)

HSE WEL TWA: 1 mg/m³ (respirable dust)

Asphalt (8052-42-4)

HSE WEL TWA: 5 mg/m³

HSE WEL STEL: 10 mg/m³

Dimethyl ether (115-10-6)

HSE WEL TWA: 766 mg/m³; 400 ppm

HSE WEL STEL: 958 mg/m³; 500 ppm

IOELV TWA: 1920 mg/m³; 1000 ppm

Toluene (108-88-3)

HSE WEL TWA: 191 mg/m³; 50 ppm (skin)

HSE WEL STEL: 574 mg/m³; 150 ppm (skin)

Carbon black (1333-86-4)

HSE WEL TWA: 3.5 mg/m³

HSE WEL STEL: 7 mg/m³

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: Fluoroelastomer.

8.3.3 Skin Protection:

Avoid skin contact.

8.3.4 Respiratory Protection:

Avoid inhalation of vapours, mists or spray.
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 P3 particulate prefilters.
Half facepiece or fullface supplied-air respirator.

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

- Appearance and Odour: Black liquid aerosol with a solvent odour.

- pH: Not applicable

- Boiling point/boiling range: Not determined

- Melting point/melting range: Not determined

- Flash point: -106 °C

- Autoflammability: Not determined

- Flammable Limits - LEL: Not determined

- Flammable Limits - UEL: Not determined

- Vapour pressure: Not determined

- Water Solubility: Nil

- Specific gravity: 0.83 (Water=1)

- Vapour density: Not determined

- Volatile organic compounds: Not determined

- Evaporation rate: Not determined

- Viscosity: 6000 - 11000 mPa.s

- Percent Volatile: 56 %

10 STABILITY AND REACTIVITY

10.1 Stability and Reactivity:

Stable. Hazardous polymerisation will not occur.

10.2 Conditions to Avoid:

Heat.
Sparks and/or flames.

10.3 Materials to Avoid:

Reducing agents.
Strong oxidising agents.

10.4 Hazardous Decomposition:

Oxides of sulphur.
Hydrocarbons.
Formaldehyde.
Hydrogen Sulphide.
Toxic vapours, gases or particulates.
Carbon monoxide.
Carbon dioxide.

11 TOXICOLOGICAL INFORMATION

11.1 Effects from Eye Contact:

- Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
- Prolonged or repeated exposure may cause:
- Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision.

11.2 Effects from Skin Contact:

- Moderate Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

11.3 Effects from Inhalation:

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

Prolonged or repeated exposure may cause:

- Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish coloured skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

11.4 Effects from Ingestion:

- May be absorbed following ingestion and cause target organ effects.
- Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

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 may cause:

- Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate.
- Olfactory Effects: Signs/symptoms may include decreased ability to detect odours and/or complete loss of smell.
- Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

- Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

- Mutagenicity:

Genotoxicity and Mutagenicity: May interact with genetic material and possibly alter gene expression.

- Reproductive Effects:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

12 ECOLOGICAL INFORMATION

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:

One or more components of this product have significant known or predicted environmental hazards, but a conservative assessment indicates a low environmental risk. Intended use and proper disposal are unlikely to cause the environmentally hazardous component(s) to enter the environment in quantities or by routes that could cause the adverse environmental impacts.

12.8 Other Effects and Information:

Product usages, or other lifecycle stages, are expected to release volatile organic compounds (VOCs) to the atmosphere. Regulations may restrict the release of VOCs because they contribute to the formation of ozone and smog. Regulatory definitions for VOC vary. Because of smog and other impacts, releases through evaporation or other means should be minimised to the extent possible.

13 DISPOSAL CONSIDERATIONS

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. Dispose of empty product containers in a sanitary landfill.

13.2 Product in Use:

Not determined.

13.3 Product after Use:

Not determined.

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

- UN number: UN1950
- IMO Class: 2
- IMO Proper Shipping Name: Aerosols
- ADR Class: 2
- ADR Classification: 5F
- ADR Proper Shipping Name: Aerosols
- IATA Class: 2.1
- IATA Proper Shipping Name: Aerosols, flammable

15 REGULATORY INFORMATION

Label Version Number:
06.00

Symbol(s):

F+ Extremely flammable.
N Dangerous to environment.

Risk Phrases:

R12 Extremely flammable.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
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.
S51 Use only in well ventilated areas.
S24 Avoid contact with skin.
S62 If swallowed, do not induce vomiting: 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:

Toluene.

16 OTHER INFORMATION

16.1 Complete list of risk phrases:

R11 Highly flammable.
R12 Extremely flammable.
R20 Harmful by inhalation.
R38 Irritating to skin.
R45 May cause cancer.
R48 Danger of serious damage to health by prolonged exposure through inhalation.
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.
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 sections 3,4,5,7,11,15.

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.