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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Tradename:

3M Cavity Wax Spray, Transparent 08909

1.2 Intended Use of Product:

For protecting cavities in parts of car such as the doors, boot and wings.

1.3 3M Product ID:

XS-0034-9168-4

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), hydrodesulphurised heavy	64742-82-1	30 - 40
EU Number: EINECS 265-185-4		
EU Classification: Carc.Cat.2: R45; Xn: R65		
Vendor Classification: R10; N: R51/53; R66-67		
EU Nota: 4, H, P		
Butane	106-97-8	20 - 30
EU Number: EINECS 203-448-7		
EU Classification: F+: R12		
EU Nota: C		
Paraffin waxes and hydrocarbon waxes	8002-74-2	10 - 15
EU Number: EINECS 232-315-6		
Propane	74-98-6	5 - 10
EU Number: EINECS 200-827-9		
EU Classification: F+: R12		
Hydrocarbon waxes (petroleum),	64742-42-3	5 - 10

clay-treated microcryst
EU Number: EINECS 265-144-0
Stearic acid 57-11-4 3 - 8
EU Number: EINECS 200-313-4
Solvent naphtha (petroleum), 64742-88-7 3 - 8
medium aliphatic
EU Number: EINECS 265-191-7
EU Classification: Xn: R65
Vendor Classification: N: R51/53
EU Nota: 4, H

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:

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

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 Material 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. 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. 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. 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.

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. For industrial or professional use only. Avoid contact with oxidising agents.

- Fire Prevention:

Ground containers securely when transferring contents. Wear low static or properly grounded shoes. 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.

- Ventilation:

Keep container in a well-ventilated area.

- 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:

Use with appropriate local exhaust ventilation. Local exhaust ventilation with a minimum capture velocity of 10 meters per minute should be provided for applications at or above the boiling temperature. 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:

Butane (106-97-8)

HSE WEL TWA: 1450 mg/m³; 600 ppm

HSE WEL STEL: 1810 mg/m³; 750 ppm

Paraffin waxes and hydrocarbon waxes (8002-74-2)

HSE WEL TWA: 2 mg/m³

HSE WEL STEL: 6 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 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.

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance and Odour: Beige coloured liquid with turpentine odour.

- pH: Not determined

- Boiling point/boiling range: -44 °C

- Melting point/melting range: Not determined

- Flash point: -97 °C

- Autoflammability: 265 °C

- Flammable Limits - LEL: 0.7 % by volume

- Flammable Limits - UEL: 8.5 % by volume

- Vapour pressure: 400 mbar (at 20 °C)

- Water Solubility: Negligible

- Specific gravity: 0.85 (Water=1)

- Vapour density: Not determined

- Evaporation rate: Not determined

- Viscosity: Not determined

- Percent Volatile: 74.07 %

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:

None known.

10.4 Hazardous Decomposition:

Carbon monoxide.

Carbon dioxide.

11 TOXICOLOGICAL INFORMATION

11.1 Effects from Eye Contact:

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

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.

11.4 Effects from Ingestion:

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

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: 2.1
- IMO Proper Shipping Name: Aerosols
- ADR Class: 2.1
- ADR Classification: 5F
- ADR Proper Shipping Name: Aerosols
- IATA Class: 2.1
- IATA Proper Shipping Name: Aerosols, Flammable

15 REGULATORY INFORMATION

Label Version Number:

04.00

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:

S15 Keep away from heat.
S16 Keep away from sources of ignition - No Smoking.
S23C Do not breathe vapour or spray.
S51 Use only in well ventilated areas.
S24/25 Avoid contact with the skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28A After contact with skin, wash immediately with plenty of soap and water.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S2 Keep out of the reach of children.

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.

Disclosable Ingredients:

Naphtha (petroleum), hydrosulphurised heavy

Product Certifications:

EINECS.

16 OTHER INFORMATION

16.1 Complete list of risk phrases:

R12 Extremely flammable.
R45 May cause cancer.
R51 Toxic to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.
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:

Complete MSDS revision in accordance with EU directive 2001/58/EC.

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
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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.