MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Tradename:
3M Cavity Wax Transparent, 08919, 08929

1.2 Intended Use of Product:
Protecting cavities in parts of a car such as doors, boot and wings.

1.3 3M Product ID:
XS-0034-9174-2, XS-0034-9177-5

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:

R10	Flammable.
R65	Harmful: May cause lung damage if swallowed.
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 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	64742-82-1	35 - 45
Paraffin waxes and hydrocarbon waxes EU Number: EINECS 232-315-6	8002-74-2	20 - 30
Hydrocarbon waxes (petroleum), clay-treated microcryst EU Number: EINECS 265-144-0	64742-42-3	10 - 20
Stearic acid EU Number: EINECS 200-313-4	57-11-4	5 - 15
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	5 - 15

EU Number: EINECS 265-191-7
EU Classification: Xn: R65
Vendor Classification: N: R51/53
EU Nota: 4, H

Additional Information:
Nota P applies to CAS 64742-82-1.

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.

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.
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.
Contain spill.
For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.
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.
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.
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. Avoid inhalation of vapours, mists or spray. Avoid prolonged or repeated skin contact. 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. No smoking while handling this material. Do not spray near flames or sources of ignition.

- Explosion Prevention:

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

7.2 Precautions for Safe Storage:

- 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 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:

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:
Gloves not normally required. The following glove material(s) are recommended: Fluoroelastomer.

8.3.3 Skin Protection:
Avoid prolonged or repeated 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: 135 °C
- Melting point/melting range: Not determined
- Flash point: 41 °C (DIN 53213)
- Autoflammability: 265 °C
- Flammable Limits - LEL: 0.7 % by volume
- Flammable Limits - UEL: 6.5 % by volume
- Vapour pressure: 400 Pa (at 20 ºC)
- Water Solubility: Negligible
- Specific gravity: 0.85 (Water=1)
- Vapour density: Not determined
- Evaporation rate: Not determined
- Viscosity: 30 sec (DIN 53211/4)
- Percent Volatile: 52.85 %

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

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.

11.4 Effects from Ingestion:
- May be absorbed following ingestion and cause target organ effects.
- Chemical (Aspiration) Pneumonitis: Signs/symptoms may include coughing, gasping, choking, burning of the mouth, difficulty breathing, bluish coloured skin (cyanosis), and may be fatal.
- 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.

12 ECOLOGICAL INFORMATION

12.1 Environmental Data:
Not determined.

12.2 Mobility in Soil and Water:
Not determined.

12.3 Persistence/Biodegradability:
The components labelled 'readily biodegradable' are expected to fully degrade in wastewater treatment and in most aerobic water or soil environments. The components labelled 'partially biodegradable' are not readily biodegradable but are partially degraded in ready biodegradation tests. Tests show that the components labelled 'ultimately biodegradable' usually exhibit eventual full biodegradation, but treatment in wastewater systems may not be complete.

12.4 Bioaccumulation Potential:
The components labelled 'Log Kow > or = 3i have measured or calculated log Kow values of > or = 3 indicating they have a potential to bioconcentrate to high concentrations in aquatic organisms by partitioning into lipid tissues.

12.5 Ecotoxicity Data:
There is insufficient component information to calculate the

ecotoxicity of this product. The components labelled 'No information' have no environmental fate and effects data available. Not determined.

12.6 Ecofate Data:
Not determined.

12.7 Special statements for 2001/58/EC:
Handling this product according to recommendations is important to minimise release to the environment. It is recommended that the environmental information included in this section be used to help determine appropriate handling of this product for your uses. * LABELS: No information: Paraffin Wax (64742-93-4); Clay Treated Microcrystalline Wax (Petroleum) (64742-42-3). "Partially": Medium Aliphatic Solvent Naphtha (64742-88-7). Ultimately biodegradable: Stearic Acid (57-11-4). Readily biodegradable: Naphtha (Petroleum), Hydrodesulfurized Heavy (64742-82-1). Log Kow >/= 3: Naphtha (Petroleum), Hydrodesulfurized Heavy (64742-82-1); Stearic Acid (57-11-4); Medium Aliphatic Solvent Naphtha (64742-88-7). Bioconcentrating but readily biodegradable: Naphtha (Petroleum), Hydrodesulfurized Heavy (64742-82-1).

12.8 Other Effects and Information:
The components labeled 'Bioconcentrating but readily biodegradable' are expected to have their bioconcentration potential disappear rapidly from aerobic environments with conditions that favour biodegradation. 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. Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

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: UN1139

- IMO Class: 3.0

- IMO Packing Group: III

- IMO Proper Shipping Name: Coating solution.

- ADR Class: 3.0

- ADR Classification: F 1

- ADR Packing Group: III

- ADR Proper Shipping Name: Coating solution.

- IATA Class: 3.0

- IATA Packing Group: III

- IATA Proper Shipping Name: Coating solution.

15 REGULATORY INFORMATION

Label Version Number:
07.00

Symbol(s):
Xn Harmful.
N Dangerous to environment.

Risk Phrases:
R10 Flammable.
R65 Harmful: May cause lung damage if swallowed.
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:
S16 Keep away from sources of ignition - No Smoking.
S51 Use only in well ventilated areas.
S23C Do not breathe vapour or spray.
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.
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:
Naphtha (petroleum), hydrodesulphurised heavy

Product Certifications:
EINECS.

16 OTHER INFORMATION

16.1 Complete list of risk phrases:
R10 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 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.