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MATERIAL SAFETY DATA SHEET

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Document id : 19-1306-0 Issue date : 01/12/2006
Version : 3.00 Supersedes date : 09/08/2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

1.1 Tradename:
3M Polish Rosa

1.2 Intended Use of Product:
Polish.

1.3 3M Product ID:
GC-8009-8956-5

1.4 Contact Address:
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1.5 Emergency Contact Number:
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
Water	7732-18-5	30 - 80
EU Number: EINECS 231-791-2		
Naphtha (petroleum), hydrotreated heavy	64742-48-9	25 - 50
EU Number: EINECS 265-150-3		
EU Classification: Carc.Cat.2: R45; Xn: R65		
Vendor Classification: N: R51/53; R66-67		
EU Nota: 4, H, P		
Acrylic Polymer	Trade Secret	1 - 10
Poly(dimethylsiloxane)	63148-62-9	1 - 10
Kaolin	1332-58-7	1 - 10
EU Number: EINECS 310-194-1		
Acrylic Polymer	Trade Secret	< 2
Oleic acid	112-80-1	< 2
EU Number: EINECS 204-007-1		

3 HAZARDS IDENTIFICATION

Risk Phrases:

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.

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:

Please observe precautions from other sections of this MSDS.

6.2 Methods for Cleaning up:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. 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. 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. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with detergent and water. Collect the resulting residue containing

solution. Place in a closed container approved for transportation by appropriate authorities. 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. For industrial or professional use only. Avoid contact with oxidising agents.

- 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. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

8.2 Exposure Limits:

Kaolin (1332-58-7)

- HSE WEL TWA: 2.0 mg/m³ respirable dust

8.3 Exposure Controls:

8.3.1 Eye Protection:

Avoid eye contact.
The following should be worn alone or in combination, as appropriate to prevent eye contact: Indirect vented goggles.

8.3.2 Hand Protection:

Not specified.

8.3.3 Skin Protection:

Gloves not normally required. 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 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: Red liquid with a characteristic odour.
- pH: Not determined
- Boiling point/boiling range: Not applicable
- Melting point/melting range: Not applicable
- Flash point: ≥ 62 °C
- Autoflammability: 240 °C
- Flammable Limits - LEL: Not determined
- Flammable Limits - UEL: Not determined
- Vapour pressure: Not determined
- Water Solubility: Not determined
- Specific gravity: Not determined
- Vapour density: ≥ 1
- Viscosity: Not determined
- Percent Volatile: Not determined

10 STABILITY AND REACTIVITY

10.1 Stability and Reactivity:

Stable.
Hazardous polymerisation will not occur.

10.2 Conditions to Avoid:

None known.

10.3 Materials to Avoid:

None known.

10.4 Hazardous Decomposition:

Formaldehyde.
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.

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.

- 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.
- 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, nausea, diarrhoea 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:

Not determined.

13 DISPOSAL CONSIDERATIONS

13.1 Product as Sold:

Incinerate in an industrial or commercial facility. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

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: UN3082
- IMO Class: 9.0
- IMO Packing Group: III
- IMO Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.(hydrotreated heavy naphtha(petroleum))
- ADR Class: 9.0
- ADR Classification: M6
- IATA Class: 9.0
- IATA Sub-Risk: Not applicable.
- IATA Packing Group: III
- IATA Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.(hydrotreated heavy naphtha(petroleum))

15 REGULATORY INFORMATION

Label Version Number:
03.00

Symbol(s):

- Xn Harmful.
- N Dangerous to environment.

Risk Phrases:

- 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:

- S51 Use only in well ventilated areas.
- S23A Do not breathe vapour.
- 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), hydrotreated heavy.

16 OTHER INFORMATION

16.1 Complete list of risk phrases:

- 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 Ingredients on the European Detergents Directive 2004/648/CE:
Not applicable.

16.3 Limitations on Use of Product:
For industrial or professional use only.

16.4 Reissue date/Reason for reissue:
Complete MSDS revision in accordance with EU directive 2001/58/EC.

16.5 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 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.