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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
3M (TM) IMPERIAL MACHINE GLAZE 05991

3M Product ID:
GC-8002-3182-8

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
WATER	7732-18-5	50 - 60
HYDROTREATED HEAVY NAPHTHA (PETROLEUM)	64742-48-9	10 - 20
EU Hazard Symbols and Risk Phrases: EU - Adaptation 22 (T,N; R:Carc.Cat.2;45-51/53-65-66-67)		
KAOLIN	---	10 - 15
PETROLEUM DISTILLATE	64742-14-9	5 - 10
EU Hazard Symbols and Risk Phrases: EU - Adaptation 21 (T,N; R:Carc.Cat.2;45-51/53-66-67)		
GLYCERIN	56-81-5	1 - 5
ACRYLIC EMULSION	---	1 - 5
MINERAL OIL HYDROTREATED	8042-47-5	1 - 5

3 HAZARDS IDENTIFICATION

Critical hazards:
Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking. Harmful to aquatic organisms. May cause long-term adverse effects on the aquatic environment.

4 FIRST-AID MEASURES

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

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.

Inhalation:

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

Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

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

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.

Hazardous Decomposition:

Hydrocarbons, Carbon Monoxide, Carbon Dioxide.

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

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.

Methods for Cleaning up:

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. Seal the container. 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. Contain spill. 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. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

7 HANDLING AND STORAGE

Incompatible Materials/Conditions:

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

Fire Prevention:

Ground containers securely when transferring contents. Wear low static or properly grounded shoes. No smoking while handling this material.

Explosion Prevention:

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

Precautions for Safe Handling:

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

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

Hand Protection:

The following glove material(s) are recommended: Nitrile rubber. Polyvinyl alcohol. Fluoroelastomer.

Skin Protection:

Avoid skin contact.

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.

Ingestion:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

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.

Exposure Limits:

HYDROTREATED HEAVY NAPHTHA (PETROLEUM) (64742-48-9)

CMRG TWA Exposure Limit: 1900 mg/m³ 300 ppm

3M TWA Exposure Limit: 100 ppm

GLYCERIN (56-81-5)

HSE WEL TWA: 10 mg/m³ as a mist OES

MINERAL OIL HYDROTREATED (8042-47-5)

CMRG TWA Exposure Limit: 5 mg/m³

CMRG STEL:: 10 mg/m³

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Slightly viscous brown liquid
with a characteristic aroma.

pH: 8

Boiling point/boiling range: Not determined

Melting point/melting range: Not determined

Flash point: 49 C, TCC

Autoflammability: Not determined

Vapour pressure: Not determined

Water Solubility: Slight

Specific gravity: 1, Water=1

Vapour density: Not determined

Volatile organic compounds: Not determined

Evaporation rate: Not determined

Viscosity: 4000 -7000 centipoise

Percent Volatile: 85 %

10 STABILITY AND REACTIVITY

Materials to Avoid:
Strong oxidising agents.

Hazardous Decomposition:
Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

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

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

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.

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

diarrhoea.

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

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

Special statements for 2001/58/EC:

A conservative assessment indicates this product presents a low environmental risk. Components released to the environment through use and disposal are expected to have minimal environmental impact.

13 DISPOSAL CONSIDERATIONS

Product as Sold:

Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

Special Instructions:

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

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: UN1263

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: UN1263

Class: 3.0

Packing Group: III

Proper Shipping Name: PAINTS

ADR/RID CLASSIFICATION:

Class: 3.0

ADR classification: F1

ICAO/IATA CLASSIFICATION:

Class: 3.0

Sub-Risk: Not applicable.

Packing Group: III

Proper Shipping Name: PAINTS

15 REGULATORY INFORMATION

Disclosable Ingredients:

HYDROTREATED HEAVY NAPHTHA (PETROLEUM); PETROLEUM DISTILLATE.

Symbol(s):

None.

Risk Phrases:

(R10) Flammable. (R66) Repeated exposure may cause skin dryness or cracking. (R67) Vapours may cause drowsiness and dizziness. (R52/53) Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety Phrases:

Keep away from sources of ignition - No Smoking. Do not breathe vapour. Use only in well ventilated areas. Avoid contact with the skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Avoid release to the environment. Refer to special instructions/safety data sheets.

16 OTHER INFORMATION

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. Carriage of Dangerous Goods by Road 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 The Health and Safety at Work Act, 1974.

Reissue date/Reason for reissue.

Updated sections 3.5,12.

Intended Use of Product:

Machine applied compound for filling of scratches and swirl marks, suited to cellulose and two-pack paint finishes.

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.