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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
 EXPRESS HYDROPHILIC IMPRESSION MATERIAL 7302 H/HB

3M Product ID:

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
QUARTZ SILICA Regulatory Lists: IARC(Group 1) IARC (Group 1) - Category: SILICA, CRYSTALLINE (AIRBORNE PARTICLES OF RESPIRABLE SIZE) NTPCARCIN (Known human carcinogen) NTPCARCIN (Known human carcinogen) - Category: SILICA, CRYSTALLINE (AIRBORNE PARTICLES OF RESPIRABLE SIZE) EU Hazard Symbols and Risk Phrases: EU - Vendor Classified (Xn; R:48/20)	14808-60-7	45.0 - 55.0
SILOXANES AND SILICONES, DI-ME, VINYL GROUP-TERMINATED	68083-19-2	40 - 50
DIMETHYL SILOXANE, REACTION PRODUCT WITH SILICA	67762-90-7	4 - 10
DIMETHYL METHYL HYDROGEN SILICONE FLUID	68037-59-2	3 - 7
CHROMIUM OXIDE (CR2O3)	1308-38-9	1 - 5
COBALT Regulatory Lists: IARC(Group 2B) IARC(Group 2B) - Category: COBALT COMPOUNDS EU Hazard Symbols and Risk Phrases: EU - Adaptation 28 (Xn,Xi; R:42-43-53)	7440-48-4	Less Than 0.07

3 HAZARDS IDENTIFICATION

Critical hazards:
 None

4 FIRST-AID MEASURES

Eye Contact:

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

Skin Contact:

Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Inhalation:

No need for first aid is anticipated.

Ingestion:

No need for first aid is anticipated.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

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

Exposure Hazards:

Non-flammable: ordinary combustibile material.

Hazardous Decomposition:

Carbon Monoxide, Carbon Dioxide.

Fire-Fighting Procedures:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

Special Instructions:

Not applicable.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

Ventilate the area with fresh air. Collect as much of the spilled material as possible. Clean up residue. 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

Incompatible Materials/Conditions:

Store away from heat.

Precautions for Safe Handling:

 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: Safety glasses with side shields.

Hand Protection:

Not applicable.

Skin Protection:

Gloves not normally required. Avoid prolonged or repeated skin contact. Avoid prolonged or repeated skin contact.

Respiratory Protection:

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

Ingestion:

Do not ingest.

Recommended Ventilation:

Not applicable.

Exposure Limits:

QUARTZ SILICA (14808-60-7)

UK HSE TWA: 0.4 mg/m³ respirable dust MEL

CHROMIUM OXIDE (CR2O3) (1308-38-9)

UK HSE STEL: Chromium (III) compounds (as Cr) 0.5 mg/m³

COBALT (7440-48-4)

UK HSE TWA: 0.1 mg/m³ as Co MEL

 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Viscous liquids, blue and green colour, no odour
pH:	Not applicable
Boiling point/boiling range:	Not applicable
Melting point/melting range:	Not determined
Flash point:	Not applicable
Autoflammability:	Not determined
Vapour pressure:	Not applicable
Water Solubility:	Nil
Specific gravity:	1.500 Water=1
Vapour density:	Not applicable
Volatile organic compounds:	Not determined
Evaporation rate:	Not applicable

Viscosity: 60000.0 -80000.0 centipoise
Percent Volatile: Not determined.

10 STABILITY AND REACTIVITY

Materials to Avoid:
None known.

Hazardous Decomposition:
Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:
Contact with the eyes during product use is not expected to result in significant irritation.

Effects from Skin Contact:
Contact with the skin during product use is not expected to result in significant irritation.

Effects from Inhalation:
No adverse health effects are expected.

Effects from Ingestion:
No health effects are expected.

Other Effects and Information:
Product contains cobalt as an impurity. Cobalt is a recognized sensitizer of the skin and respiratory system. Cobalt is also considered to be a possible carcinogen (IARC Group 2B). Based on the physical form of the product, the concentration of cobalt in the product and product usage conditions , exposure to cobalt is not anticipated. This product contains quartz silica. Cancer of the lungs and silicosis has been associated with quartz (crystalline) silica. No exposure to quartz (crystalline) is anticipated during normal intended handling of the paste or grinding of the cured impression material. No detectable respirable quartz and other forms of crystalline silica were found, when a simulated air sampling study was conducted on an analogous material of this product class that contained similar concentrations of crystalline silica. The health effects associated with crystalline silica (e.g., quartz) and cobalt are not expected during the foreseeable use of this product.

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 because use and disposal are unlikely to result in the significant release of components to the environment.

Other Effects and Information:

Not applicable.

13 DISPOSAL CONSIDERATIONS

Product after Use:

As a disposal alternative, incinerate uncured product in an industrial or commercial incinerator in the presence of a combustible material.

Special Instructions:

Cure (harden, set, or react) the product according to product instructions. Dispose of completely cured (or polymerised) wastes in a sanitary landfill. Since regulations vary, consult applicable regulations or authorities before disposal.

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: Not restricted for transportation.

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number:

Class:

Packing Group:

Proper Shipping Name:

ADR/RID CLASSIFICATION:

Class:

ADR classification:

ICAO/IATA CLASSIFICATION:

Class:

Sub-Risk:

Packing Group:

Proper Shipping Name:

15 REGULATORY INFORMATION

Disclosable Ingredients:

Symbol(s):
None

Risk Phrases:
None

Safety Phrases:
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 water.

16 OTHER INFORMATION

Regulatory Information:

Reissue date/Reason for reissue.
MSDS OBSOLETE

Intended Use of Product:
Impressioning material.

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.