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MATERIAL SAFETY DATA SHEET

Document id : 17-8511-2 Issue date :
14/10/2004
Version : 3.00 Supersedes date :
16/10/2003

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
EXPRESS PENTA H QUICK CATALYST

3M Product ID:

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
SODIUM ALUMINUM SILICATE	37244-96-5	60
- 70 POLYVINYLSILOXANE	---	10
- 20 POLY(DIMETHYLSILOXANE)	63148-62-9	5
- 10 SILANE TREATED SILICA	67762-90-7	1
- 5 PLATINUM CATALYST	---	1
- 5		

3 HAZARDS IDENTIFICATION

Critical hazards:

None.

4 FIRST-AID MEASURES

Eye Contact:

Get medical attention. Flush eyes with large amounts of water.

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:

Do not induce vomiting. 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:

Non-flammable: ordinary combustible material.

Hazardous Decomposition:

Carbon monoxide - During Combustion. Carbon dioxide - during combustion.

Fire-Fighting Procedures:

Wear full protective equipment and a self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

the
the
Ventilate the area with fresh air. Collect as much of
spilled material as possible. Clean up residue. Collect
resulting residue containing solution. Place in a closed
container approved for transportation by appropriate
authorities.

7 HANDLING AND STORAGE

Incompatible Materials/Conditions:

Store away from heat. Store out of direct sunlight.

Precautions for Safe Handling:

Please observe other sections of this MSDS.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

in
Safety
Avoid eye contact. The following should be worn alone or
combination, as appropriate to prevent eye contact:
glasses with side shields.

Skin Protection:

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

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:

Solid paste with
characteristic 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:	Greater than 1
Vapour density:	Not applicable
Percent Volatile:	Not applicable.

10 STABILITY AND REACTIVITY

Conditions to Avoid:
Heat.

Materials to Avoid:
None known.

Hazardous Decomposition:
Hazardous polymerisation will not occur. Stable.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:
Mechanical eye irritation: Signs/symptoms may include
pain, redness, tearing and corneal abrasion.

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.

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:
Cure (harden, set, or react) the product according to
product instructions. Dispose of completely cured (or
polymerised) wastes in a sanitary landfill. As a disposal
alternative, incinerate uncured product in an industrial or
commercial incinerator in the presence of a combustible material.

Special Instructions:
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:

No ingredients required on label.

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 soap and water.

16 OTHER INFORMATION

Regulatory Information:
Regulations

the

Information

supply)

The

Goods

Packaging and

The following UK

as amended may affect

product as supplied: The
Chemicals (Hazard

and Packaging for

Regulations, as amended.

Carriage of Dangerous

(Classification,

Labelling) and use of

1996,

amended.

(Consolidation)

Health

amended.

Regulations

Act,

Safety at

Transportable Pressure
Receptacles Regulations

as amended. Carriage of
Dangerous Goods by Road
regulations, 1996, as

The Petroleum

Act 1928.

The Control of
Substances Hazardous to

Regulations 1999 as

The Special Waste

1996, as amended. The
Environmental Protection

1990 The Health and

Work Act, 1974.

Reissue date/Reason for reissue.
Updated sections 5, 9, 13, 15

Intended Use of Product:
Impression material.

Limitations on Use of Product:
For use only by dental professionals

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.

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MATERIAL SAFETY DATA SHEET

Document id : 17-8518-7 Issue date :
14/10/2004
Version : 2.00 Supersedes date :
14/10/2003

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
EXPRESS PENTA H QUICK BASE

3M Product ID:

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
FUSED SILICA	60676-86-0	60
- 70		
Regulatory Lists: IARC(Group 2B) NTPCARCIN(Anticipated		
human carcinogen) IARC(Group 2B) - Category: GLASSWOOL FIBERS		
(AIRBORNE PARTICLES OF RESPIRABLE SIZE)		
NTPCARCIN(Anticipated		
human carcinogen) - Category: GLASSWOOL FIBERS (AIRBORNE		
PARTICLES OF RESPIRABLE SIZE)		
POLYVINYLSILOXANE	---	15
- 25		
POLY(DIMETHYLSILOXANE)	63148-62-9	1
- 10		
DIMETHYL METHYL HYDROGEN SILICONE	68037-59-2	1
- 5		
FLUID		
SILANE TREATED SILICA	67762-90-7	1
- 5		

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:
Do not induce vomiting. 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:
Non-flammable: ordinary combustible material.

Hazardous Decomposition:
Carbon monoxide - During Combustion. Carbon dioxide -
during combustion.

Fire-Fighting Procedures:
Wear full protective equipment and a self-contained
breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

Clean up

solution.

by

Collect as much of the spilled material as possible.

residue. Collect the resulting residue containing

Place in a closed container approved for transportation

appropriate authorities.

7 HANDLING AND STORAGE

Incompatible Materials/Conditions:

Store away from heat. Store out of direct sunlight.

Precautions for Safe Handling:

Please observe other sections of this MSDS.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

in

Safety

Avoid eye contact. The following should be worn alone or

combination, as appropriate to prevent eye contact:

glasses with side shields.

Skin Protection:

normally

Avoid prolonged or repeated skin contact. Gloves not

required. 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:

FUSED SILICA (60676-86-0)

UK HSE TWA: 0.08 mg/m3 respirable dust OES

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Paste with slight characteristic 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:	Greater than 1
Vapour density:	Not applicable
Percent Volatile:	Not applicable

10 STABILITY AND REACTIVITY

Conditions to Avoid:
Heat

Materials to Avoid:
None known.

Hazardous Decomposition:
Hazardous polymerisation will not occur. Stable.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:
Mechanical eye irritation: Signs/symptoms may include
pain, redness, tearing and corneal abrasion.

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:

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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:
Cure (harden, set, or react) the product according to product instructions. Dispose of completely cured (or polymerised) wastes in a sanitary landfill. As a disposal alternative, incinerate uncured product in an industrial or commercial incinerator in the presence of a combustible material.

Special Instructions:
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:

No ingredients required on label.

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 soap and water.

16 OTHER INFORMATION

Regulatory Information:
Regulations

the

Information

supply)

The

The following UK

as amended may affect

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Chemicals (Hazard

and Packaging for

Regulations, as amended.