

Safety Data Sheet

Printing date 07/26/2016

Version Number 1.0

Reviewed on 07/26/2016

1 Identification

Product identifier

Trade name: *Preprufe® Grout EG 75 - Base*

SDS ID Number: 2668

Relevant identified uses of the substance or mixture, and uses advised against
Specialty construction product. Not intended for other uses

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA

GCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

Information department:

Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
CAN: 1-905-683-8561 (24 hours)

Transport Emergency: Chemtrec +1-800-424-9300 (24 hours)

2 Hazard(s) identification

Classification of the substance or mixture

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

Label elements: The product is classified and labeled according to the Globally Harmonized System (GHS)

Hazard pictograms



GHS07

Warning

Hazard statements

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.

Safety Data Sheet

Printing date 07/26/2016

Version Number 1.0

Reviewed on 07/26/2016

Trade name: *Preprufe® Grout EG 75 - Base*

(Cont. from page 1)

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of water.

If eye irritation persists: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)



Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with additional nonhazardous ingredients.

Hazardous components:

25068-38-6	Reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	50-100%
54208-63-8	Bisphenol F / Epichlorohydrin Epoxy Resin	20-25%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

Description of first aid measures

General information: Get medical advice/attention if you feel unwell.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing: If symptoms persist consult doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed

May cause sensitization by skin contact.

Irritating to eyes.

(Cont. on page 3)

USGHS

Safety Data Sheet

Printing date 07/26/2016

Version Number 1.0

Reviewed on 07/26/2016

Trade name: *Preprufe® Grout EG 75 - Base*

(Cont. from page 2)

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 13 of the SDS.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:

Precautions for safe handling

Avoid contact with skin.

Avoid contact with eyes.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

(Cont. on page 4)

USGHS

Safety Data Sheet

Printing date 07/26/2016

Version Number 1.0

Reviewed on 07/26/2016

Trade name: *Preprufe® Grout EG 75 - Base*

(Cont. from page 3)

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Not required.

Eye protection: Goggles recommended during refilling.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Color:	Clear
Odor:	Aromatic
Odor threshold:	Not determined.

pH-value (~): Not determined.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	>138 °C (>280 °F)
Flash point:	>121 °C (>250 °F)

Flammability (solid, gaseous): Not applicable.

Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.
VOC Content (max):	Not determined.

Vapor pressure:	Not determined.
Density: (~)	Not determined.
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.

(Cont. on page 5)

USGHS

Safety Data Sheet

Printing date 07/26/2016

Version Number 1.0

Reviewed on 07/26/2016

Trade name: *Preprufe® Grout EG 75 - Base*

(Cont. from page 4)

Solubility in / Miscibility with Water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:
Dynamic: Not determined.
Kinematic: Not determined.
Molecular weight Not applicable.

Other information No further relevant information available.

10 Stability and reactivity

Reactivity Stable under normal conditions.

Chemical stability

Thermal decomposition: No decomposition if used according to specifications.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

25068-38-6 Reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight 700)

LC50, 96h	220 mg/l (algae)
	3.6 mg/l (bacterial)
	2.4 mg/l (fish)
LC50, 48h	2.8 mg/l (daphnia magna)

Primary irritant effect:

on the skin: Causes skin irritation.

on the eye: Causes serious eye irritation.

inhalation: No irritating effect expected

Sensitization: May cause an allergic skin reaction.

Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer) Human Carcinogenicity:
Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

None of the ingredients is listed.

NTP (National Toxicology Program)

K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic

None of the ingredients is listed.

(Cont. on page 6)

USGHS

Safety Data Sheet

Printing date 07/26/2016

Version Number 1.0

Reviewed on 07/26/2016

Trade name: *Preprufe® Grout EG 75 - Base*

(Cont. from page 5)

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information**Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:**

Toxic for aquatic organisms

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Waste treatment methods****Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:**Recommendation:** Disposal must be made according to official regulations.**14 Transport information****UN-Number**

IMDG, IATA

UN3082

UN proper shipping name

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin (Number average MW ≤ 700)), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin (Number average MW ≤ 700))

(Cont. on page 7)

USGHS

Safety Data Sheet

Printing date 07/26/2016

Version Number 1.0

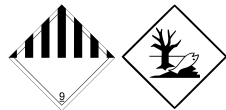
Reviewed on 07/26/2016

Trade name: *Preprufe® Grout EG 75 - Base*

(Cont. from page 6)

Transport hazard class(es)

IMDG, IATA



Class 9 Miscellaneous dangerous substances and articles
Label 9

Packing group

IMDG, IATA III

Environmental hazards: Product contains environmentally hazardous substances: Epoxy Resin (Number average MW ≤ 700)

Marine pollutant: Symbol (fish and tree)

Special marking (ADR): Symbol (fish and tree)

Special marking (IATA): Symbol (fish and tree)

Special precautions for user Warning: Miscellaneous dangerous substances and articles

Danger code (Kemler): 90

EMS Number: F-A,S-F

Stowage Category A

Transport/Additional information:

DOT

Remarks: Not regulated

IMDG

Limited quantities (LQ) 5 kg

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (EPOXY RESIN (NUMBER AVERAGE MW ≤ 700)), 9, III

15 Regulatory information**SARA (Superfund Amendments and Reauthorization Act)****Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

None of the ingredients is listed.

SARA Section 312/Tier I & II Hazard Categories:

Health Immediate (acute)	Yes
Health Delayed (chronic)	Yes
Flammable	No
Reactive	No
Pressure	No

North America Chemical Inventory Status**TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

(Cont. on page 8)

USGHS

Safety Data Sheet

Printing date 07/26/2016

Version Number 1.0

Reviewed on 07/26/2016

Trade name: *Preprufe® Grout EG 75 - Base*

(Cont. from page 7)

CEPA (Canadian DSL):

All ingredients are listed or exempt from listing unless otherwise noted below.

Right to Know Ingredient Disclosure:

Proprietary Epoxide, NJTSN801416109

California Proposition 65**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity Categories**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)**Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable**

None of the ingredients is listed.

NIOSH-Cancer (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

Volatile Organic Compounds (VOC) reported per the Emission Standards.

If no g/L value is provided this product is not subject to above standard.

16 Other information

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

Department issuing SDS:

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414

Date of preparation / last revision 07/26/2016 / -**The first date of preparation** 07/25/2016**Number of revision times and the latest revision date** 1.0 / 07/26/2016

USGHS

Safety Data Sheet

Printing date 08/02/2016

Version Number 1.0

Reviewed on 08/02/2016

1 Identification

Product identifier

Trade name: ***Preprufe® Grout EG 75 - Hardener***

SDS ID Number: 2669

Relevant identified uses of the substance or mixture, and uses advised against
Specialty construction product. Not intended for other uses

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA

GCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

Information department:

Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
CAN: 1-905-683-8561 (24 hours)

Transport Emergency: Chemtrec +1-800-424-9300 (24 hours)

2 Hazard(s) identification

Classification of the substance or mixture

Harmful in contact with skin.
Causes severe skin burns and eye damage.
Causes serious eye damage.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.

Label elements: The product is classified and labeled according to the Globally Harmonized System (GHS)

Hazard pictograms



GHS05 GHS07 GHS08

Danger

Hazard statements

Harmful in contact with skin.
Causes severe skin burns and eye damage.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.

(Cont. on page 2)

USGHS

Safety Data Sheet

Printing date 08/02/2016

Version Number 1.0

Reviewed on 08/02/2016

Trade name: *Preprufe® Grout EG 75 - Hardener*

(Cont. from page 1)

Precautionary statements

[In case of inadequate ventilation] wear respiratory protection.

Wear protective gloves / protective clothing.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

If swallowed: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Hazard description: Corrosive**NFPA ratings (scale 0 - 4)****HMIS-ratings (scale 0 - 4)**

HEALTH	3	Health = 3
FIRE	1	Flammability = 1
REACTIVITY	1	Reactivity = 1

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**3 Composition/information on ingredients****Chemical characterization: Mixtures****Description:** Mixture of the substances listed below with additional nonhazardous ingredients.**Hazardous components:**

Hazardous components:		
112-24-3	3,6-diazaoctanethylenediamin	50-100%
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	10-20%

Additional information: For the wording of the listed hazard phrases refer to section 16.**4 First-aid measures****Description of first aid measures****General information:** Get medical advice/attention if you feel unwell.**After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact: Generally the product does not irritate the skin.**After eye contact:** Rinse cautiously with water for several minutes.**After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.

(Cont. on page 3)

USGHS

Safety Data Sheet

Printing date 08/02/2016

Version Number 1.0

Reviewed on 08/02/2016

Trade name: *Preprufe® Grout EG 75 - Hardener*

(Cont. from page 2)

Information for doctor:

Most important symptoms and effects, both acute and delayed May cause sensitization by skin contact.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Special hazards arising from the substance or mixture No further relevant information available.

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Avoid release to the environment.

Methods and material for containment and cleaning up:

Use neutralizing agent.

Dispose contaminated material as waste according to section 13 of the SDS.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage**Handling:****Precautions for safe handling**

Risk of serious damage to eyes.

Prevent formation of aerosols.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities**Storage:**

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

(Cont. on page 4)

USGHS

Safety Data Sheet

Printing date 08/02/2016

Version Number 1.0

Reviewed on 08/02/2016

Trade name: *Preprufe® Grout EG 75 - Hardener*

(Cont. from page 3)

Control parameters**Components with limit values that require monitoring at the workplace:****112-24-3 3,6-diazaoctanethylenediamin**WEEL (USA) Long-term value: 6 mg/m³, 1 ppm
Skin**Additional information:** The lists that were valid during the creation were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Not required.**Material of gloves:** Nitrile rubber.**Eye protection:** Goggles recommended during refilling.**Body protection:**

Use personal protective equipment as required.

Take off contaminated clothing.

9 Physical and chemical properties**Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Liquid
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.

pH-value (-): Not determined.**Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	204 °C (399 °F)

Flammability (solid, gaseous): Not applicable.**Decomposition temperature:** Not determined.**Auto igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

(Cont. on page 5)

USGHS

Safety Data Sheet

Printing date 08/02/2016

Version Number 1.0

Reviewed on 08/02/2016

Trade name: *Preprufe® Grout EG 75 - Hardener*

(Cont. from page 4)

VOC Content (max):	Not determined.
Vapor pressure:	Not determined.
Density: (~) at 20 °C (68 °F)	1 g/cm ³ (8.345 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Molecular weight	Not applicable.
Other information	No further relevant information available.

10 Stability and reactivity**Reactivity** Stable under normal conditions.**Chemical stability****Thermal decomposition:** No decomposition if used according to specifications.**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** Carbon monoxide and carbon dioxide**11 Toxicological information****Information on toxicological effects****Acute toxicity:****LD/LC50 values relevant for classification:****90-72-2 2,4,6-tris(dimethylaminomethyl)phenol**

Oral LD50 2169 mg/kg (rat) (OECD 401)

Dermal LD50 1242 mg/kg (rabbit)

Primary irritant effect:**on the skin:** Harmful in contact with skin.**on the eye:** Causes serious eye damage.**inhalation:** May cause allergy or asthma symptoms or breathing difficulties if inhaled.**Sensitization:** May cause an allergic skin reaction.**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer) Human Carcinogenicity:**
Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

None of the ingredients is listed.

(Cont. on page 6)

USGHS

Safety Data Sheet

Printing date 08/02/2016

Version Number 1.0

Reviewed on 08/02/2016

Trade name: *Preprufe® Grout EG 75 - Hardener*

(Cont. from page 5)

NTP (National Toxicology Program)**K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information**Toxicity****Aquatic toxicity:****90-72-2 2,4,6-tris(dimethylaminomethyl)phenol**

EC50, 72h | 84 mg/l (algae) (OECD 201)

Persistence and degradability No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:**

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Waste treatment methods****Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:**Recommendation:** Disposal must be made according to official regulations.**14 Transport information****UN-Number**

DOT, IMDG, IATA

UN2735

(Cont. on page 7)

USGHS

Safety Data Sheet

Printing date 08/02/2016

Version Number 1.0

Reviewed on 08/02/2016

Trade name: *Preprufe® Grout EG 75 - Hardener*

(Cont. from page 6)

UN proper shipping name**DOT**

Amines, liquid, corrosive, n.o.s. (Triethylenetetramine, 2,4,6-tris(dimethylamino-methyl)phenol)

IMDG, IATA

AMINES, LIQUID, CORROSIVE, N.O.S. (TRIETHYLENETETRAMINE, 2,4,6-tris(dimethylaminomethyl)phenol)

Transport hazard class(es)**DOT****Class**

8 Corrosive substances

Label

8

IMDG, IATA**Class**

8 Corrosive substances

Label

8

Packing group**DOT, IMDG, IATA**

II

Environmental hazards:

Not applicable.

Special precautions for user

Warning: Corrosive substances

Danger code (Kemler):

80

EMS Number:

F-A,S-B

Segregation groups

Alkalis

Stowage Category

A

Segregation Code

SG35 Stow "separated from" acids.

Transport/Additional information:**IMDG****Limited quantities (LQ)**

1L

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation":UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S.
(TRIETHYLENETETRAMINE, 2,4,6-TRIS(DIMETHYLAMINOMETHYL)
PHENOL), 8, II**15 Regulatory information****SARA (Superfund Amendments and Reauthorization Act)****Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

None of the ingredients is listed.

(Cont. on page 8)

USGHS

Safety Data Sheet

Printing date 08/02/2016

Version Number 1.0

Reviewed on 08/02/2016

Trade name: *Preprufe® Grout EG 75 - Hardener*

(Cont. from page 7)

SARA Section 312/Tier I & II Hazard Categories:

Health Delayed (chronic)	Yes
Health Immediate (acute)	Yes
Flammable	No
Reactive	No
Pressure	No

North America Chemical Inventory Status**TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):

All ingredients are listed or exempt from listing unless otherwise noted below.

California Proposition 65**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity Categories**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)
Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable**

None of the ingredients is listed.

NIOSH-Cancer (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

Volatile Organic Compounds (VOC) reported per the Emission Standards.

If no g/L value is provided this product is not subject to above standard.

16 Other information

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

Department issuing SDS:

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414

Date of preparation / last revision 08/02/2016 / -

The first date of preparation 07/25/2016

Number of revision times and the latest revision date 1.0 / 08/02/2016

Safety Data Sheet

Printing date 07/29/2016

Version Number 1.0

Reviewed on 07/29/2016

1 Identification

Product identifier

Trade name: *Preprufe® Grout EG 75 - Filler*

SDS ID Number: 2673

Relevant identified uses of the substance or mixture, and uses advised against
Specialty construction product. Not intended for other uses

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA

GCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

Information department:

Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
CAN: 1-905-683-8561 (24 hours)

Transport Emergency: Chemtrec +1-800-424-9300 (24 hours)

2 Hazard(s) identification

Classification of the substance or mixture

Depending on the type of handling and use, airborne respirable crystalline silica may be generated. Prolonged and/or massive inhalation of respirable silica dust may cause silicosis. Occupational exposure to respirable crystalline silica should be monitored and controlled.

This product should be handled with care to avoid dust generation.
May cause cancer. Route of exposure: Inhalation.

Label elements:

Hazard pictograms



GHS08

Danger

Hazard statements

May cause cancer. Route of exposure: Inhalation.

Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection.

(Cont. on page 2)

USGHS

Safety Data Sheet

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Version Number 1.0

Reviewed on 07/29/2016

Trade name: *Preprufe® Grout EG 75 - Filler*

(Cont. from page 1)

Do not handle until all safety precautions have been read and understood.
 Obtain special instructions before use.
 IF exposed or concerned: Get medical advice/attention.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: Avoid breathing dust.**NFPA ratings (scale 0 - 4)**

Health = 1
 Fire = 1
 Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = *1
 Flammability = 1
 Reactivity = 0

Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients**Chemical characterization: Mixtures****Hazardous components:**

14808-60-7	Quartz (SiO ₂)	50-100%
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Additional information: For the wording of the listed hazard phrases refer to section 16.**4 First-aid measures****Description of first aid measures****General information:** Get medical advice/attention if you feel unwell.**After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact: Generally the product does not irritate the skin.**After eye contact:** Rinse cautiously with water for several minutes.**After swallowing:** If symptoms persist consult doctor.**Information for doctor:****Most important symptoms and effects, both acute and delayed** No further relevant information available.**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures**Special hazards arising from the substance or mixture** No further relevant information available.

(Cont. on page 3)

USGHS

Safety Data Sheet

Printing date 07/29/2016

Version Number 1.0

Reviewed on 07/29/2016

Trade name: *Preprufe® Grout EG 75 - Filler*

(Cont. from page 2)

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up: Pick up mechanically.**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage**Handling:****Precautions for safe handling** No special precautions are necessary if used correctly.**Information about protection against explosions and fires:** No special measures required.**Conditions for safe storage, including any incompatibilities****Storage:****Information about storage in one common storage facility:** No special measures required.**Further information about storage conditions:** Keep receptacle tightly sealed.**Specific end use(s)** No further relevant information available.**8 Exposure controls/personal protection****Additional information about design of technical systems:** No further data; see item 7.**Control parameters****Components with limit values that require monitoring at the workplace:****14808-60-7 Quartz (SiO₂)**

PEL (USA)	see Quartz listing
REL (USA)	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV (USA)	Long-term value: 0.025* mg/m ³ *as respirable fraction

Additional information: The lists that were valid during the creation were used as basis.**Exposure controls**

Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organizational measures, eg. by isolating personnel from dusty areas. Remove and wash soiled clothing.

(Cont. on page 4)

USGHS

Safety Data Sheet

Printing date 07/29/2016

Version Number 1.0

Reviewed on 07/29/2016

Trade name: *Preprufe® Grout EG 75 - Filler*

(Cont. from page 3)

Personal protective equipment:**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Not required.

Eye protection: Safety glasses

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

9 Physical and chemical properties**Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Solid
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.

pH-value (~): Not applicable.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.

Flammability (solid, gaseous): Not determined.

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.
VOC Content (max):	Not determined.

Vapor pressure: Not applicable.

Density: (~) Not determined.

Relative density Not determined.

Vapor density Not applicable.

Evaporation rate Not applicable.

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

(Cont. on page 5)

USGHS

Safety Data Sheet

Printing date 07/29/2016

Version Number 1.0

Reviewed on 07/29/2016

Trade name: *Preprufe® Grout EG 75 - Filler*

(Cont. from page 4)

Viscosity:

Dynamic: Not applicable.
Kinematic: Not applicable.
Molecular weight Not applicable.

Other information

No further relevant information available.

10 Stability and reactivity**Reactivity** Stable under normal conditions.**Chemical stability****Thermal decomposition:** No decomposition if used according to specifications.**Possibility of hazardous reactions** No dangerous reactions known.**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** Carbon monoxide and carbon dioxide**11 Toxicological information**

Prolonged and or massive exposure to respirable crystalline silica containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.

Information on toxicological effects**Acute toxicity:****Primary irritant effect:****on the skin:** No irritating effect expected**on the eye:** No irritating effect expected**inhalation:** No irritating effect expected**Additional toxicological information:** Carcinogenic if inhaled.**Carcinogenic categories**

IARC (International Agency for Research on Cancer) Human Carcinogenicity:
Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

14808-60-7 | Quartz (SiO₂)

1

NTP (National Toxicology Program)**K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**14808-60-7 | Quartz (SiO₂)

K

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

USGHS

(Cont. on page 6)

Safety Data Sheet

Printing date 07/29/2016

Version Number 1.0

Reviewed on 07/29/2016

Trade name: *Preprufe® Grout EG 75 - Filler*

(Cont. from page 5)

12 Ecological information**Toxicity**

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:** Not known to be hazardous to water.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Waste treatment methods****Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:**Recommendation:** Disposal must be made according to official regulations.**14 Transport information****UN-Number**

DOT, IMDG, IATA Not applicable.

UN proper shipping name

DOT, IMDG, IATA Not applicable.

Transport hazard class(es)

DOT, IMDG, IATA

Class Not applicable.

Packing group

DOT, IMDG, IATA Not applicable.

Environmental hazards: Not applicable.**Special precautions for user** Not applicable.

(Cont. on page 7)

USGHS

Safety Data Sheet

Printing date 07/29/2016

Version Number 1.0

Reviewed on 07/29/2016

Trade name: *Preprufe® Grout EG 75 - Filler*

(Cont. from page 6)

Transport/Additional information:**DOT****Remarks:** Not Regulated.**UN "Model Regulation":** Not applicable.**15 Regulatory information****SARA (Superfund Amendments and Reauthorization Act)****Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

None of the ingredients is listed.

SARA Section 312/Tier I & II Hazard Categories:

Health Immediate (acute)	Yes
Health Delayed (chronic)	Yes
Flammable	No
Reactive	No
Pressure	No

North America Chemical Inventory Status**TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):

All ingredients are listed or exempt from listing unless otherwise noted below.

Right to Know Ingredient Disclosure:

Proprietary Amorphous Silica Mixture, NJTSN801416110

California Proposition 65**Chemicals known to cause cancer:**Quartz (SiO₂)**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity Categories**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)
Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable**Quartz (SiO₂)

A2

NIOSH-Cancer (National Institute for Occupational Safety and Health)14808-60-7 | Quartz (SiO₂)

(Cont. on page 8)

USGHS

Safety Data Sheet

Printing date 07/29/2016

Version Number 1.0

Reviewed on 07/29/2016

Trade name: *Preprufe® Grout EG 75 - Filler***Volatile Organic Compounds (VOC) reported per the Emission Standards.**
If no g/L value is provided this product is not subject to above standard.

(Cont. from page 7)

16 Other information

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

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USGHS