



Polycril / Item #4290

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Tuesday, September 22, 2015 / Rules and Regulations

Revision date: 09/22/15

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Polycril
Product form : Powder
Other means of identification : Pumice substitute

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Used to pumice dental appliances

1.3. Details of the supplier of the safety data sheet

Thermoplastic Comfort Systems, Inc
2619 Lime Ave.
Signal Hill, CA 90755
(562)-426-2970

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

none.

Health Effects from Exposure By:

Inhalation: NA
Ingestion: NA
Eye Contact: NA
Skin Contact: NA

Existing information:

Carcinogenicity: ND
Mutagenicity: ND
Tertogenicity: ND
Neurotoxicity: ND
Reproductive System: ND
Other effects: ND

SECTION 3: Composition/information on ingredients

3.1. Ingredients

Blend of Water, Glycerin, Polysorbate 80, Sodium Benzoate, Potassium Sorbate, Chlorhexidine Digluconate, Menthol Flavor, Citric Acid, Cetylpyridinium Chloride, Sodium Saccharin

3.2 Substances CAS-No. : 68855-54-9

3.3 EC-No. : 272-489-0

3.4 Component Classification Concentration Diatomaceous earth (Calcined) <= 100 %

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Move out of dangerous area.
First-aid measures after inhalation : Move person to fresh air. If not breathing, give artificial respiration.
First-aid measures after skin contact : Wash off with soap and plenty of water.
Remove contaminated clothing and thoroughly clean before reuse.
First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Waterspray, alcohol-resistant foam, dry chemical or carbon dioxide..

5.2. Special hazards arising from the substance or mixture

Fire hazard & Explosion hazard : None known

Reactivity :

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Use dry chemical, CO2 foam, waterspray or water fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Protective equipment and emergency procedures. Avoid dust formation. Avoid breathing in vapours, mist or gas.

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Sweep up and shovel. Keep in suitable, closed containers for disposal.

Methods for cleaning up : Sweep up and shovel. Keep in suitable, closed containers for disposal. (see Section 13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

Storage class (TRGS 510): Non Combustible Solids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Diatomaceous earth (Calcined) 68855-54-9 TWA 20.000000Million particles per cubic foot

USA. Occupational Exposure Limits

(OSHA) - Table Z-3 Mineral Dusts

Remarks Millions of particles per cubic foot of air, based on impinge samples counted by light-field techniques.

mppcf X 35.3 = million particles per cubic meter = particles per c.c

TWA 80.000000mg/m³ / %SiO₂

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(OSHA) - Table Z-3 Mineral Dusts TWA 20.000000Million particles per cubic foot

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USA. Occupational Exposure Limits

(OSHA) - Table Z-3 Mineral Dusts

TWA 6.000000mg/m³

USA. NIOSH Recommended

Exposure Limits TWA 6.000000 mg/m³

USA. NIOSH Recommended

Exposure Limits

8.2 Exposure controls

Appropriate engineering controls: General industrial hygiene practice.

Personal protective equipment; Eye/face protection / Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves/ Gloves must be inspected prior to use / Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. / Wash and dry hands.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Splash contact

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves.

This recommendation is advisory only and must be evaluated industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required.

Control of environmental exposure: No special environmental precautions required

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Powder
Appearance	: Powder
Color	: White
Odor	: No data available
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: .0037 g/1 at 20 deg. C (68 deg F)
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: No data available
Oxidising properties	: No data available

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Explosive limits : No data available
Volatiles No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong acids, Hydrogen fluoride

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - male and female - > 2,000 mg/kg

(OECD Test Guideline 401)

LC50 Inhalation - Rat - male and female - 4 h - > 2.6 mg/l

(OECD Test Guideline 403)

Dermal: No data available

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation

(OECD Test Guideline 405)

Respiratory or skin sensitization in vivo assay - Mouse

Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Result: negative

Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Diatomaceous earth

(Calcined))

ACGIH: No component of this product present at levels greater than or equal to 0.1% is

identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified

as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is

identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

Repeated dose toxicity - Rat - male and female - Oral - No observed adverse effect level - 3,737.9

mg/kg

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1. Toxicity

No data available

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12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not Conducted

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Contact a licensed professional waste disposal service to dispose of this material. Offer surplus and non-recyclable solutions to a licensed disposal company.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

SECTION 15: Regulatory information

15.1. US Federal regulations

Polycril

SARA Section Title III, Sec 302 & 313

None

15.2. International regulations

No additional information available.

SECTION 16: Other information

HMIS Rating

Health hazard: 2

Chronic Health Hazard: *

Flammability: 0

Physical Hazard 0

NFPA Rating

Health hazard: 2

Fire Hazard: 0

Reactivity Hazard: 0

All information, recommendations and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, Thermoplastic Comfort System, Inc. makes no warranty, representation or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his/her own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Thermoplastic Comfort System, Inc. as to the effects of such use. Thermoplastic Comfort System, Inc. does not assume any liability arising out of use by others of the product referred to herein. The data in this Material Safety Data Sheet relate only to the specific material designated herein and does not relate to use in combination with any other material.