

## 1. Identification of the substance/ mixture and of the company/undertaking

Item description:	GRAVITY Refractory Fixing Paste	Items 750-0010
Relevant identified uses of the substance or mixture and uses advised against:	Auxiliary for manufacture of dental products.	
Manufacturer:	<b>Dentify GmbH</b> Scheffelstr. 22 78234 Engen / Germany	
Information:	Tel: + 49-7733-977 62 40, Fax: +49-7733-977 62 44 (Mo – Thu 8:00 – 16:30, Fr 8:00 – 15:00)	
Emergency:	Tel: + 49-7733-977 62 40 (Mo – Thu 8:00 – 16:30, Fr 8:00 – 15:00)	

## 2. Hazards identification

Classification of the substance or mixture:	Classification according to regulation EC No.1272/2008 The product is not classified, according to the CLP regulation.
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Signal word:	VOID
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Hazard pictograms:



Hazard statements:	Causes skin irritation. May cause cancer by inhalation.
Prevention:	Wear protective gloves. Wash hands thoroughly after handling.
Response:	If on skin wash with soap and water. Take off contaminated clothing and wash it before reuse.
Storage:	Store securely.
Disposal:	Not applicable

## 3. Composition/ information on ingredients

Description:	Mixture
Other means of identification:	Not available
CAS number:	142844-00-6 Aluminosilicate fiber, dioxosilane EC number: 604-314-4 Quantity: 20- < 25%
Additional information:	Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

#### 4. First aid measures

Description of first aid measures:

Eye contact:	Flush eyes with water. Lift upper and lower eyelids. Remove contact lenses. Continue rinsing. Get medical attention.
After inhalation:	Get fresh air. Rest in a comfortable position to breathe. Provide artificial respiration or oxygen by trained personnel if breathing is irregular. Providing aid (mouth to mouth resuscitation) may be dangerous for the victim. Get medical attention if adverse health effects persist. If unconscious place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing.
After skin contact:	Wash hands. If heated material burns the skin do not remove the material from skin, cool with cold water. Obtain medical treatment.
After swallowing:	Wash out mouth with water. Get fresh air in a comfortable position for breathing. Drink small quantities of water. Stop if person feels sick. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs the head should be kept low so that vomit does not enter the lungs. Get medical attention. If unconscious place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing.
Most important symptoms:	
Eye contact:	pain or irritation
Inhalation:	No known significant effects or critical hazards
Skin contact:	skin irritation
Ingestion:	No known significant effects

#### 5. Firefighting measures

Extinguishing media

Suitable extinguishing agents:	Use an extinguishing agent suitable for the surrounding fire
Special hazards arising from the substance or mixture	No specific fire or explosion hazard
Advice for firefighters	Isolate the scene. No action shall be taken involving any personal risk or without suitable training.
Protective equipment:	Wear appropriate protective equipment and self-contained breathing apparatus(SCBA)

#### 6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Non-emergency-personnel:	Evacuate surrounding areas. Keep personnel from entering. Do not walk through or touch spilled material. Put on protective equipment.
Emergency responders:	If specialized clothing is required to deal with the spillage take note of any information in Section 8 on suitable and unsuitable materials. See also information for "non-emergency-personnel."
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product has caused pollution.

Methods and material for containment and cleaning up: retrieve mechanically, avoid dust formation, dispose of the collected material according to regulations.

## 7. Handling and Storage

Handling:

Precautions for safe handling

Protective measures: Put on protective equipment (Section 8). Do not ingest. Avoid any contact. Prevent formation of dust. Prevent inhalation of dust.

Advice on general hygiene: No Eating, drinking, or smoking near the material. Wash hands before eating, drinking, or smoking. Additional Information see Section 8.

Conditions for safe storage: Keep the container tightly closed and locked up.

## 8. Exposure controls/ personal protection

Control parameters:

Occupational exposure limits: The product does not include significant amounts of materials with critical values that necessitate workplace disclosure.

Appropriate engineering controls: Ventilation to control worker exposure to airborne contaminants.

Environmental exposure controls: Check emissions to ensure they comply with requirements of environmental protection legislation. Sometimes fume scrubbers or filters are necessary to reduce emissions.

Individual protection measures:

Hygiene measures: Wash hands, arms, and face after handling before eating or smoking. Use lavatory at the end of working. Wash contaminated clothes. Eyewash station and safety shower should be close.

Respiratory protection: With correct and proper use, and under normal conditions, breathing protection is not required. Use suitable respiratory protective device in case of insufficient ventilation. Respiratory protection in case of forming dust.

Protection of hands: Wear chemical-resistant impervious gloves all the time. While using check if the protective properties are still retaining. The exact break through time must be found out by the manufacturer of the protective gloves and has to be observed.

Body protection: Personal protective equipment based on the task. Appropriate footwear based on the task.

Penetration time of glove material  
The exact break through time must be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Dust protection goggles, chemical splash goggles.

## 9. Physical and chemical properties

Information on basic physical and chemical properties.  
General Information

Appearance:

Physical state:	paste
Color:	white
Odor:	characteristic
PH:	not available
Melting point:	1780°C
Boiling point:	not available
Flash point:	not available
Explosive	not available
Vapor pressure:	not available
Vapor density:	not available
Relative density:	not available
Solubility:	not available
Solubility in water:	not available
Partition coefficient:	not available
Auto-ignition temperature:	not available
Viscosity:	not available

## 10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Material is stable.
Possibility of hazardous reactions:	Under normal conditions won't occur.
Conditions to avoid:	Storage at temperatures exceeding 30°C.
Incompatible materials:	Strong oxidants
Hazardous decomposition products:	Under normal conditions decomposition should not be produced.

## 11. Toxicological information

Information on toxicological effects

Acute toxicity:	The available data does not meet the classification criteria.
Irritation and corrosivity:	Causes skin irritation.
Sensitizing effect:	The available data does not meet the classification criteria.
Carcinogenicity:	may cause cancer by inhalation.
Mutagenicity:	The available data does not meet the classification criteria.
Teratogenicity:	The available data does not meet the classification criteria.
Developmental effects:	The available data does not meet the classification criteria.
Fertility effects:	The available data does not meet the classification criteria.
Measures of toxicity:	Not available

## 12. Ecological information

Toxicity:	The product does not exhibit ecotoxicity.
Persistence and degradability:	No additional pertinent information is currently accessible.
Bioaccumulative potential:	No additional pertinent information is currently accessible.
Mobility in soil:	No additional pertinent information is currently accessible.
Results of PBT vPvB assessment:	PBT: not applicable vPvB: not applicable
Other adverse effects:	No information available.

### 13. Disposal considerations

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### 14. Transport information

UN-Number:	not regulated.
UN proper shipping name	-
Transport hazard class(es)	-.
Packing group	-
Environmental hazards:	No
Special precautions for user:	Closed containers upright and secure. Transporter must know what to do in case of accident.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	not available

### 15. Regulatory information

U.S. Federal regulations:	
TSCA 8(a) CDR Exempt/:	Not determined
Partial exemption	
United States inventory (TSCA 8b):	Not determined
Clean Air act Section 112:	not listed
Clean Air Section 602:	not listed
Class I	
Clean Air Act Section 602:	not listed
Class II	
DEA List I:	not listed
DEA List II:	not listed
SARA 302/304	no products found
SARA 304 RG:	not applicable
SARA 311/312:	immediate health hazard
Fire hazard:	no
Sudden release of pressure:	no
Reactive:	no
Immediate health hazard:	yes
Delayed health hazard:	no
State regulations	

# Safety Data Sheet

According to 1907/2006/EG, Article 31



Massachusetts:	Paraffin Wax Fume
New York:	not listed
New Jersey:	Paraffin Wax and waxes, Hydrocarbon waxes
Pennsylvania:	Paraffin Waxes, Hydrocarbon waxes
Canada:	not determined
Chemical weapons list I:	not listed
Chemical weapons list II:	not listed
Chemical weapons list III:	not listed

## 16. Other information

This information is based on the state of knowledge and experience pertaining on the date of issue. The information is not to be taken as a guarantee of product properties and do not constitute the basis for a contractual legal relationship. The details must not be changed or transferred to other products. Duplication in an unchanged state is permissible.

### Key to abbreviations

ATE:	Acute toxicity estimate
BCF:	Bioconcentration factor
IATA:	International Air Transport Association
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
IBC:	Intermediate Bulk container
IMDG:	International maritime dangerous goods
LogPow	logarithm of the octano/water partition coefficient
MARPOL:	International convention for the pollution from ships, 1973 as modified by the protocol of 1978(marinepollution)
UN	United Nations

The above given data are based upon our stand of knowledge and experience from the issuing date, they do not have any relevance of characteristics warranty. No responsibility will be taken for the faultlessness and integrity.