

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

Item description:	Element CAD/CAM Wax Blanks	Items 312-0112 312-0114 312-0120 312-0414 312-0420 312-0520 312-0525 312-0530 312-0314 312-0320
Relevant identified uses of the substance or mixture and uses advised against:	Not applicable	
Application of the substance:	Dental Wax	
Manufacturer:	Dentify GmbH Scheffelstr. 22 78234 Engen / Germany	
Information:	Tel: + 49-7733-977 62 40, Fax: +49-7733-977 62 44 (Mo – Do 8:00 – 16:30, Fr 8:00 – 15:00)	
Emergency:	Tel: + 49-7733-977 62 40 (Mo – Do 8:00 – 16:30, Fr 8:00 – 15:00)	

2. Hazards identification

Classification according to regulation (EC) no. 1272/2008:	This substance does not meet the criteria for classification according to regulation (EC) no. 1272/2008 (CLP)	
Classification of the substance or mixture according	Skin Irritation – Category 2 Eye Irritation – Category 2B	
Signal word:	None	
Hazard pictograms:	None	
Hazard statements:	Causes skin and eye irritation	
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. Get medical attention. If in eyes rinse with water. Remove contact lenses. Continue rinsing. If eye irritation persists get medical attention.	
Storage:	Not applicable	
Disposal:	Not applicable	

3. Composition/ information on ingredients

Description:	Mixture
Other means of identification:	Not available
CAS number:	Not applicable
CAS 8002-74-2	Paraffin waxes and Hydrocarbon waxes 50-75 %
EC 232-315-6	
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 persists. 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:	avoid contact with skin, eyes and clothes when substance is hot and fluid.
Emergency responders:	avoid contact with skin, eyes and clothes when substance is hot and fluid.
Environmental precautions:	No special precautions need to be taken.
Methods and material for containment and cleaning up:	Let material solidify – Clean up mechanically.

7. Handling and Storage

Handling:

Precautions for safe handling

Protective measures:	Put on protective equipment(Section 8).Do not ingest. Avoid any contact. Keep in the original container or an approved alternative. Do not reuse container.
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:	Original container protected from sunlight in a dry cool, well-ventilated area. Keep away from incompatible materials, food or drink. Keep container closed. Keep open containers upright.

8. Exposure controls/ personal protection

Control parameters:

Occupational exposure limits: Paraffin and Hydrocarbon Wax	ACGIH TLV (United States, 3/2016) TWA: 2mg/m ³ 8hours Form: Fume NIOSH REL (United States, 10/2013) TWA: 2mg/m ³ 10 hours Form: Fume OSHA PEL 1989 (United States, 3/1989) TWA: 2mh/m ³ 8 hours
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 has to 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 has to 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:	solid
Color:	various
Odor:	characteristic
PH:	not available
Melting point:	55 to 75 Celsius (131 to 167 Fahrenheit)
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 45 Celsius
Incompatible materials:	Strong oxidants
Hazardous decomposition products:	Under normal conditions decomposition should not be produced

11. Toxicological information

Information on toxicological effects

Irritation:

on the skin:	24 hours 500mg – mild irritant 500mg – moderate irritant
symptoms:	Redness, irritation

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on the eye:	50 percent – mild irritant 24 hours 100mg – mild irritant
Symptoms:	Pain or irritation, watering, redness
Inhalation:	No specific data
Ingestion:	No specific data

Immediate/ chronic effects from short or long term exposure

Short term:	
Immediate effects:	Not available
Delayed effects:	Not available
Long term:	
Immediate effects:	Not available
Delayed effects:	Not available
Chronic effects:	Not available
General:	no significant effects or critical hazards known
Carcinogenicity:	no significant effects or critical hazards known
Mutagenicity:	no significant effects or critical hazards known
Teratogenicity:	no significant effects or critical hazards known
Developmental effects:	no significant effects or critical hazards known
Fertility effects:	no significant effects or critical hazards known
Measures of toxicity:	Not available

12. Ecological information

Aquatic toxicity:	No further relevant information available.
Persistence and Degradability:	No further relevant information available.
Bioaccumulative potential:	No further relevant information available.
Mobility in soil:	No further relevant information available.
Additional ecological information:	
General notes:	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment	
PBT:	Not applicable.
vPvB:	Not applicable.
Other adverse effects	No further relevant 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.
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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	
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.