

21029-XXXX



3Doodler Start - Eco plastic.

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 2016-08-05

Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Solid
Trade name : 3Doodler Start - Eco plastic.
Product code : 3DS-ECO

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

Use of the substance/mixture : Plastic filament for use in a small, handheld plastic extrusion device (3Doodler Start '3D Printing Pen')
Recommended use : Consumer uses: Private households and general public
Professional uses: Education, entertainment, crafts, light industry.

1.3. Details of the supplier of the safety data sheet

WobbleWorks, Inc.
Suite 153, 342 East 14th Street, NY, NY 10009-153
USA
Tel: +1-718-618-9904
cs@the3Doodler.com

1.4. Emergency telephone number

Emergency number : +1-718-618-9904 (9am - 5pm)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

No labelling applicable

2.3. Other hazards

other hazards which do not result in classification : Generally, molten or heated plastic can cause severe burns in skin contact. However, the product is polymeric material which melts at 55 °C and is not expected to represent a burn hazard unless mishandled. Any burns caused by molten material must be treated clinically.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Talc substance with OEL values	(CAS No) 14807-96-6	0 -5	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : The product is polymeric material which melts at 55 °C and is not expected to represent a burn hazard unless mishandled in which case there is risk of thermal burns on contact with molten product.
First-aid measures after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
First-aid measures after skin contact : Wash skin with plenty of water. If burned by hot material, cool skin by quenching with large amounts of cool water. Burns caused by molten material must be treated clinically.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Burns caused by molten material must be treated clinically.

2016-08-05

EN (English)

Page 1

3Doodler Start - Eco plastic.

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

First-aid measures after ingestion : Ingestion is not considered a potential route of exposure. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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

Symptoms/injuries : The product is polymeric material which melts at 55 °C and is not expected to represent a burn hazard unless mishandled in which case there is risk of thermal burns on contact with molten product.

Symptoms/injuries after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/injuries after skin contact : No known acute effects of this product resulting from skin contact at room temperature. Molten plastic at high temperatures: skin contact can cause serious thermal burns.

Symptoms/injuries after eye contact : Risk of thermal burns on contact with molten product.

Symptoms/injuries after ingestion : Unlikely route of exposure. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not classified as flammable but will burn. Not expected to be a fire/explosion hazard under normal conditions of use.

Explosion hazard : No direct explosion hazard. Not expected under normal conditions of use.

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Advice for firefighters

Precautionary statement : Caution! Hot molten mass.

Firefighting instructions : Burns caused by molten material must be treated clinically.

Protective equipment for firefighters : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : If melted: allow liquid to solidify before taking it up.

6.1.1. For non-emergency personnel

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : If melted: allow liquid to solidify before taking it up.

Measures in case of dust release : Not applicable.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Clean spills promptly. Provide adequate protection in areas where molten material is possible to emerge.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : No additional risk management measures required.

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Heated or molten plastic at high temperatures can cause severe burns on skin contact.

2016-08-05

EN (English)

2/6

Item Numbers: 21029-1022, 21029-2022, 21029-2502, 21029-3012, 21029-3352, 21029-3712, 21029-4512, 21029-5012, 21029-5352, 21029-5952, 21029-6502, 21029-7012, 21029-7162, 21029-7512, 21029-8042, 21029-8142

Page 2 of 6

3Doodler Start - Eco plastic.

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

- Precautions for safe handling : Ensure good ventilation while using the material. Avoid dust formation. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : To be kept away from dust, moisture and excessive sunlight. To maintain quality of the product, retain in original packaging and store in a cool, dry place. Avoid high temperatures and open flames.
- Incompatible materials : Strong oxidizing agents. Strong acids. Strong bases.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Talc (14807-96-6)		
ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³
OSHA	Remark (OSHA)	(3) See Table Z-3.
IDLH	US IDLH (mg/m ³)	1000 mg/m ³ (containing no asbestos and <1% quartz)
NIOSH	NIOSH REL (TWA) (mg/m ³)	2 mg/m ³ (containing no Asbestos and <1% Quartz-respirable dust)

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station. A washing facility/water for eye and skin cleaning purposes should be present.
- Personal protective equipment : Personal protective equipment should be selected based upon the conditions under which this product is handled or used: Protective goggles, Gloves, Protective clothing.



- Materials for protective clothing : Wear heat resistant boots and protective clothing when handling material at elevated temperatures. According to the conditions of use, protective gloves, apron, boots, head and face protection must be worn.
- Hand protection : protective gloves. In case of polymer handling or processing at elevated temperature or in molten state, use of proper thermally protective chemical resistant gloves is recommended. Insulating protective gloves.
- Eye protection : Safety glasses with side shields should be worn when handling pellets. During hot processing, wear tightly fitting goggles and/or face shield when the possibility for eye contact exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin and body protection : Wear suitable protective clothing. In case of polymer handling or processing at elevated temperature or in molten state, uses of proper thermally protective chemical resistant gloves/apron/ boots are recommended.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls : Avoid release to the environment.
- Consumer exposure controls : Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : No data available.
- Colour : No data available
- Odour : No data available
- Odour threshold : No data available
- pH : Not applicable
- Melting point : approx. 55 °C
- Freezing point : Not applicable

2016-08-05

EN (English)

3/6

3Doodler Start - Eco plastic.

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable
Density	: 1.1 - 1.3 g/cm ³
Solubility	: Insoluble in water.
Log Pow	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: approx. 200 °C
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive limits	: Not applicable
Explosive properties	: Not expected to be explosive as none of the components is classified as explosive.
Oxidising properties	: Non oxidizing. None of the components are classified for oxidizing properties.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong acids. Strong oxidizing agents. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified pH: Not applicable
Serious eye damage/irritation	: Not classified pH: Not applicable
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Talc (14807-96-6)	
IARC group	3 - Not classifiable
National Toxicity Program (NTP) Status	1 - Evidence of Carcinogenicity
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified

3Doodler Start - Eco plastic.

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/injuries after skin contact	: No known acute effects of this product resulting from skin contact at room temperature. Molten plastic at high temperatures: skin contact can cause serious thermal burns.
Symptoms/injuries after eye contact	: Risk of thermal burns on contact with molten product.
Symptoms/injuries after ingestion	: Unlikely route of exposure. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

Biodegradable under industrial composting conditions

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on global warming : No known effects from this product.
GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Not applicable

TDG

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Talc (14807-96-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

3Doodler Start - Eco plastic.

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Talc (14807-96-6)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

EU-Regulations

Talc (14807-96-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Talc (14807-96-6)

Listed on the AICS (Australian Inventory of Chemical Substances)
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
 Listed on the Korean ECL (Existing Chemicals List)
 Listed on NZIoC (New Zealand Inventory of Chemicals)
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
 Listed on INSQ (Mexican National Inventory of Chemical Substances)
 Listed on CICR (Turkish Inventory and Control of Chemicals)

15.3. US State regulations

No additional information available

SECTION 16: Other information

No additional information available

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product