

Product data sheet

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3580

Article description

FIMO soft, effect
8020, 8022

Made in Germany

Constituents

Binding agent:	Polyvinyl chloride
Special softening agent:	Not classified as hazardous in accordance with the European legislation. Recommended by the CSTEE (Comité Scientifique de Toxicologie, Ecotoxicologie et l'Environnement) European Scientific Committee on Toxicity, Ecotoxicity and Environment.
Filler:	Inorganic fillers, e.g. chalk
Colouring agent:	Colour pigments
Packaging :	Standard block, half block, large block: PP-film, Blister card: PET with paper sheet

PP = polypropylene, PET = polyester

Conformity

The modelling clays meet the Regulations (EG) No. 1907/2006 (REACH) and No. 1272/2008 (CLP) concerning the Registration, Evaluation, Authorization and Restriction of Chemicals.
Labelling Fimo: The preparation is not classified as hazardous.

Additional product inspections:

Cured FIMO is resistant to sweat and saliva according to DIN 53160 (Testing by LGA, Germany).
No emissions during a curing temperature of max. 130°C/266°F and a curing time of 30 min (Tested by an accredited laboratory).

ASTM D-4236

FIMO classic, soft and effect are tested by ACMI (Art & Creative Material Institute) and conform to the US-Standard ASTM D-4236. According to the standard, a qualified external toxicologist tests the products.

Usage notes

As an optimal curing temperature / curing time is recommended: 110°C (230°F) / 30 min. Please observe the instructions for use.
The hardening of the modelling clay is based on a gelling process in which the plastic powder is dissolved in the plasticizer by heat.
FIMO soft and effect is ideal for art, recreation and hobby as well as for educational purposes in schools, kindergartens and other similar facilities. FIMO is a craft product, NOT a toy.

Staedtler has been certified to ISO 9001 and ISO 14001 and considered in the selection of raw materials and their processing in the relevant national and international laws to protect the users.

The information contained herein is based on our present state of knowledge and does not provide warranty for any features.
The suitability of our products on the application intended by the user has to be checked at the user's own risk.

2017

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

FIMO kids

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

Modelling clay(s) for children

Applications which are not advised:

None known

1.3 Details of the supplier of the safety data sheet

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Moosackerstrasse 3
90427 Nürnberg
GERMANY

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e-mail adress: info@staedtlr.de

Responsible for the Safety Data Sheet:

Andreas Schaefer, Central dept. environment and product safety

e-mail adress: sdb@staedtlr.de

1.4. Emergency telephone number: +49-(0)911-9365-731 Only during office hours: Mo - Fr, 8:30 am - 5:00 pm**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

This product is not dangerous within the meaning of Regulation (EC) No 1272/2008

Classification according to Regulation (EC) No 1272/2008:

G0B100 Not subject to mandatory labelling

2.2 Label elements**Label elements according to Regulation (EC) No. 1272/2008 (CLP)**

This product is not dangerous within the meaning of Regulation (EC) No 1272/2008

Classification according to Regulation (EC) No 1272/2008:

G0B100 Not subject to mandatory labelling

Signal word:

n.a.

Hazard determining component(s) for labelling:

Not applicable

Hazard pictograms:**Hazard statements:**

H0 no H phrases

Precautionary statements:

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P0

no P phrases

2.3. Other hazards

Results of the PBT and vPvB assessment.

- PBT: Not applicable
- vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

This product is a mixture pursuant to Regulation (EC) 1272/2008

3.2. Mixtures

General chemical characterisation:

Oven-hardening modelling clay(s) based on polyvinyl chloride, plasticisers, inorganic fillers and colour pigments

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

In case of contact with eyes: Rinse immediately with plenty of water and seek medical advice.
After contact with skin: Rinse with water and soap.
If swallowed: Rinse mouth with water and seek precautionary medical care.
After inhalation: n.a.

4.2 Most important symptoms and effects, both acute and delayed

Toxicologically significant effects not expected at the specified application.

4.3 Indication of any immediate medical attention and special treatment needed

No further information available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Powder, carbon dioxide, water spray, foam
Unsuitable extinguishing media: Water with full spray

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Carbon monoxide, carbon dioxide in the event of fire

5.3 Advice for firefighters

In enclosed spaces, use a self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Thoroughly ventilate affected areas.

6.2 Environmental precautions

Do not allow to enter sewers / surface water or groundwater.
Do not allow to enter subsoil / soil.

6.3 Methods and material for containment and cleaning up

Pick up mechanically and place in suitable containers for disposal.

6.4 Reference to other sections

See section 7 for information on safe handling.
See section 8 for information on protective equipment.

See section 13 for information on disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands before breaks and at the end of the working day.
A temperature of 130 °C should not be exceeded during hardening.
Do not leave the oven unattended while hardening the material.

Advice on fire and explosion prevention:

No further relevant information available.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Keep container tightly closed. Protect from frost and extreme heat.
Store in a dry place.

Information on storage with other products:

Not applicable

Further information on the storage conditions:

No further relevant information available.

Storage class:

Not applicable

7.3 Specific end use(s)

Only to be used as a creative article.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1. Limit values for exposure in the workplace and/or biological limit values workplace limit values (AGW) Germany

Name of Substance			CAS-No.
Kind of TLV	Value	Year	Country

8.1.2.DNEL- and PNEC- values

No DNEL and PNEC values are available.

8.1.3. Control-Banding (e.g. ILO, EMKG)

No data on COSHH essentials or the EMKG model from the BAuA is available.

8.2. Exposure controls

8.2.1. Suitable technical control elements

Only to be used as a creative article.

8.2.2. Individual protective measures – personal protective equipment

General safety and hygiene measures:

Keep away from drinks, food and feedingstuffs.
Wash hands before breaks and at the end of the working day.

Breathing protection:

Reading protection not necessary with proper ventilation.

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Hand protection:

No further relevant information available.

Eye protection:

No further relevant information available.

Body protection:

No further relevant information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	solid, malleable		
Colour:	various		
Odour:	poor		
Boiling range:			n.a.
Melting range:			n.a.
Relative density:	1,2 - 1,4	g/cm ³	
Vapour pressure:			n.a.
Viscosity:			n.a.
pH:			n.a.
Flash point:			n.a.
Auto-ignition temperature:			n.a.
Explosion limit, lower:			n.a.
Explosion limit, upper:			n.a.
Water solubility:	not miscible		

9.2 Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further information available.

10.2. Chemical stability

No further information available.

10.3. Possibility of dangerous reactions

No further information available.

10.4. Conditions to avoid

No further information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

Hazardous decomposition products: Carbon monoxide, carbon dioxide in the event of fire

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Primary irritant effect on the skin:
- No irritant effect on the skin known.
Primary irritant effect in the eyes:

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- Causes eye irritation.

Sensitization:

- No sensitising effect on the skin known.

Toxicologically significant effects not expected at the specified application.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:

No measurement data is available

12.2. Persistence and degradability

No measurement data is available

12.3. Bioaccumulative potential

No measurement data is available

12.4. Mobility in soil

Do not allow to enter sewers / surface water / groundwater.

Do not allow to enter subsoil / soil.

12.5. Results of PBT and vPvB assessment

- PBT: Not applicable

- vPvB: Not applicable.

12.6. Other adverse effects

No measurement data is available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The advice below relates to the product and not to any further processed products. Mixing with other products can require other disposal procedures; in case of doubt, contact the supplier of the product or the local authorities.

Disposal recommendation

If recycling is not possible, dispose with domestic refuse. Observe all state, federal and local regulations.

Waste code number:

Since 1.1.1999, waste code numbers are not only related to the product, but generally related to the application. The valid waste code number for the application can be found in the European waste catalogue.

Recommended waste code number:

No further information available.

Uncleaned packaging:

If recycling is not possible, dispose with domestic refuse. Observe all state, federal and local regulations.

Recommendation for empty containers

No further relevant information available.

SECTION 14: TRANSPORT INFORMATION

14.1 UN-Number

-

14.2. UN proper shipping name

ADR/RID

No hazardous goods

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IMDG-Code / ICAO-TI / IATA-DGR

No hazardous goods

14.3 Transport hazard class(es)

-

14.4. Packaging group

-

Hazard inducers

14.5. Environmental hazards

Label environmentally hazardous substances

No hazardous goods

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

Transport/ further information

No hazardous goods

UN "Model Regulation"

No hazardous goods

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National provisions:

- Technical instructions air: No measurement values are available.

Water hazard class: 2 - Water-polluting (self-classification)

REACH (EC) 1907/2006: The main components are preregistered, released or otherwise in conformity.

15.2. Chemical Safety Assessment

No substance safety assessment was conducted.

SECTION 16: OTHER INFORMATION

Amendments in this safety data sheet

General revision concerning regulation (EC) No. 1272/2008

Abbreviations

n.a = not applicable

n.d.: not determined

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

As provided for in Regulation (EC) No 1272/2008:

Wording of the H phrases in Point 3:

Training for employees

Instructions on hazards and protective measures based on the operating instructions (TRGS 555). Instructions must take place at the start of employment and then at least once every year.

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties. These products should be stored, handled, and used in conformity with any legal regulation. The information provided above is for general guidance only without responsibility, liability, and warranty on our part and is subject to change without notice.