

SAFETY DATA SHEET (SDS)

In accordance with Directive 1907/2006 EC and its amending including 2015/830

SILPO

DESIGN | INK | PERFORMANCE CHEMICALS | SERVICE

NAME OF SUBSTANCE/MIXTURE SILPO DIGITAL SD 2200N

Revision Date / No	14.11.2019 / 6	Form No	GBF.03E
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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Trade Name SD 2200N BEIGE

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

Intended use SILPO DIGITAL BEIGE - Liquid Ceramic Pigment

1.3. Details of the supplier of the safety data sheet

Company Silpo Baskı Hizmetleri Mad. İnş. San. Tic. Paz. A.Ş.

Address Organize Sanayi Bölgesi 9. Cad. No:39
26110 Odunpazarı-Eskişehir/Türkiye

Phone +90 222 236 22 25

Fax +90 222 236 22 24

E-mail info@silpo.com.tr

1.4. Emergency telephone numbers

Silpo Baskı Hizm. Mad. İnş. San. Tic. Paz. A. Ş. +90 222 236 22 35

Ulusal Zehir Danışma Merkezi (UZEM) 114

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification according to Regulation (EC) No 1272/2008

The substance is not hazardous and cannot be classified according to the CLP regulation

2.2. Label elements

CLP/GHS Labelling: No labelling required.

2.3. Other hazards

This product poses no risks when handled according to correct occupational hygiene and safety principals.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

Dangerous components

<0,1%

Poly (12-hydroxystearic acid)-polyethyleneimine copolymer
Cas: 124578-12-7 EC: 630-556-5

⚠ Skin Irrit. 2 H315, Eye Irrit. 2 H319

Concentration of this components doesn't meet health hazard limit values.

Non-dangerous components

>99,9%

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move person to fresh/clean air and ensure regular breathing.

Swallowing

If not feeling well, contact UZEM at 114 or a doctor.

Skin contact

Wash with plenty of water and soap and rinse thoroughly.

Eye contact

Check if effected person uses contact lenses and remove them if they do. Rinse opened eye for several minutes under running water as a precaution.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5. FIREFIGHTING MEASURES

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5.1. Extinguishing media

Water spray, powder, carbon dioxide. Fight larger fires with water spray or alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Dangerous decomposition products, hazardous vapors may form in case of fire.

5.3. Advice for firefighters

Do not intervene without suitable protective equipment. Use independent respiratory equipment and full protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency plans: Provide adequate ventilation to spill site.

6.1.2. For emergency responders

Protective equipment: Do not intervene without suitable protective equipment.

For more information, see section 8.

6.2. Environmental precautions

Avoid discharge into drains or watercourses or onto the ground.

Dispose of the material according to the methods set forth in section 13. Inform responsible environmental authorities.

6.3. Methods and material for containment and cleaning up

For containment

Contain liquid spillage with adsorbent material.

Other information

Dispose of the material and solid wastes at an authorized facility.

6.4. Reference to other sections

See Section 8 for information on personal protection equipment.

See Section 11 for additional information on health hazards.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Protective measures

Ensure good ventilation/exhaustion at the workplace. Use personal protection equipment.

Information about fire - and explosion protection

Keep away from ignition sources and direct sunlight. Do not smoke.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Store away from oxidizing agents.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2. Exposure controls

Appropriate engineering controls

Ensure good ventilation/exhaustion at the workplace.

Personal protective equipment

General protective and hygienic measures

Do not drink, eat or smoke where the material is handled.

Protection of hands

Protective gloves.

Eye protection

Safety glasses.

Skin and body protection

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Wear suitable protective clothing.

Respiratory protection

Use suitable respiratory equipment under insufficient ventilation cases.

Environmental exposure control

Avoid discharging into the environment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Color	Beige
Odor	Characteristic
Odor threshold	Not defined
pH	Not measurable
Relative evaporation rate	No data available
Melting point	<-27 °C (1013 hPa)
Boiling point	>300 °C (1013 hPa)
Freezing point	No data available
Flash point	>170 °C
Auto ignition temperature	>240 °C
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapor pressure	0 Pa
Relative vapor density at 20 °C	0.0059 Pa
Density (25 °C)	1.22-1.24 g/cm ³
Solubility	<0.05 mg/L (EU method A.6)
Viscosity, kinematic (40 °C)	No data available
Viscosity, dynamic (35 °C)	19.0-21.0 cP (ASTM D445-88)
Explosive properties	No risk of explosion
Oxidizing properties	No data available
Explosive limits	No data available

9.2. Other information

No complementary data available.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

This product is not reactive under normal usage, stocking and handling conditions.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

Extreme heating up. See section 7 for information on safe handling.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

In the event of fire or exposition to high temperatures, carbon monoxide and carbon dioxide may be released.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute oral toxicity	LD50 male and female rat > 5,000 mg/kg
Acute inhalation toxicity	LD50 male and female rat > 5.3 mg/L, 4 h By analogy to product with similar composition.
Acute dermal toxicity	LD50 male and female rat > 2,000 mg/kg
Skin corrosion/irritation	Not corrosive/irritant to the skin

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Serious eye damage/irritation	Could not be classified
Respiratory or skin sensitization	Could not be classified
Germ cell mutagenicity	Could not be classified
Carcinogenicity	Could not be classified
Reproductive toxicity	Could not be classified
STOT-single exposure	Could not be classified
STOT-repeated exposure	Could not be classified
Aspiration hazard	Could not be classified

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

General Ecology

This product can't be considered to be toxic to aquatic organisms or to cause long lasting adverse effects in the environment.

Aquatic acute toxicity

Could not be classified.

Aquatic chronic toxicity

Could not be classified.

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LC 50 (96 h) Fish	2.2 mg/L (Fish, Danio rerio)
EC 50 (48 h) Water flea	>3.0 mg/L (Daphnia magna)
EC 50 (72 h) Algae	<100 mg/L (Algae, Desmodesmus subspicatus)

12.2. Persistence and degradability

Contains inorganic materials, not degradable in nature.

12.3. Bioaccumulative potential

No bioaccumulation potential in organisms.

12.4. Mobility in soil

Avoid access of undiluted product or high quantities of the product to underground water, waterways or sewers.

12.5. Results of PBT and vPvB assessment

No complementary data available.

12.6. Other adverse effects

No complementary data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

This product is not dangerous or toxic, can be recycled. If recycling is not possible, must be disposed of in compliance with national and local regulations. Do not attempt to dispose of by burning in an uncontrolled manner. Same procedure is valid for contaminated packaging.

SECTION 14. TRANSPORT INFORMATION

14.1. UN Number

In terms of transportation, this product is not classified as dangerous under current provisions of regulations in place.

14.2. UN proper shipping name

ADR/RID/ADN, ADN, IMDG, IATA

Not applicable.

14.3. Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA

ADR/RID Not classified as dangerous chemicals goods.

IMDG Not classified as dangerous chemicals goods.

IATA /ICAO Not classified as dangerous chemicals goods.

14.4. Packing group

ADR/RID/ADN, ADN, IMDG, IATA

Not applicable.

14.5. Special precautions for user

Not applicable.

14.6. Environmental hazards

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Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable.

SECTION 15. REGULATORY INFORMATION

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances).

Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations).

Dir. 98/24/EC (Risks related to chemical agents at work).

Regulation (CE) n. 1272/2008 (EU-GHS/CLP).

Regulation (CE) n. 1907/2006 (REACH).

Dir. 2015/830/EEC

For non-EU Countries, the Material Safety Data Sheet it is prepared following the main principles of Globally Harmonized System of Classification and Labelling of Chemicals (GHS) which are adopted worldwide.

Refer to other local regulations that may be relevant (i.e.: sanitary control, waste treatment etc.).

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. OTHER INFORMATION

Additional Information

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. This information is only related to the specified product and may not be valid for combinations with different materials or different processes, unless stated otherwise on this sheet. SILPO cannot be held responsible for any damages and/or injuries arising from uses other than the intended use, not following recommended practices or dangers due to the nature of the product. This version replaces all previous versions.

Abbreviations

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

EC50: Half maximal effective concentration.

EINECS: European inventory of chemical substances.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

IATA: International Air Transport Association.

IMDG: International Maritime Code for Dangerous Goods.

MARPOL: International Convention for the Prevention of Pollution from Ships.

REACH: Registration Evaluation and Authorization of Chemicals.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Prepared By

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