

SAFETY DATA SHEET

MASTERBATCH

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Product Description: CONCENTRATE COLORANT (MASTERBATCH)

Product Company Code and Name:

494 F RED	494 K RED	993 PE SLIP
904 BLACK		
003 WHITE	007 WHITE	8155 SILVER

1.2 Use of the Substance/Preparation

Industrial Sector: Plastics Sector

Purpose and Method of Use: Colorant substance used to color plastic raw material in order to obtain the desired color, transparency, opacity, etc.

The usage rate varies between 1% and 5%.

1.3 Detailed Information on the Company Supplying the Safety Data Sheet

Name: SCALA COLOR PLS.SAN.TİC.LTD.ŞTİ.

Address: İKİTELLİ OSB. MAH. TRİKO DÖK. SİT. S2 BLOK NO:80, BAŞAKŞEHİR / İSTANBUL

Telephone: 05322507267

1.4 Emergency Telephone Number

For Emergency Questions: 05366353292

2. HAZARDS IDENTIFICATION

The product is not covered by the "Regulation on Hazardous Chemicals" published in the Official Gazette dated 11.07.1993, No. 21634.

- No physical hazard.
- Does not pose a health hazard.
- Not a hazard to the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Colorant substance

Carrier: LDPE, EVA, HDPE, PP, PS, POLYAMIDE, etc.

Note: The carriers listed here are selected according to the material used.

CARRIER MATERIALS	POLYETHYLENE
COLORANTS	ORGANIC PIGMENT AND INORGANIC PIGMENT
4.	FIRST AID MEASURES

Eye Contact: No effect while in granule form. If granules contact/strike the eyes during use, rinse eyes with running water for at least 15 minutes. If irritation persists, consult an ophthalmologist.

Skin Contact: When the product comes into contact with skin;

- No effect while in granule form.
- If contact occurs while the product is molten, wash thoroughly with plenty of water and wrap in a sterile cloth.

Ingestion: No toxic hazard. Not biologically active. As a precaution, consult a doctor.

Inhalation:

- Masterbatch that has not undergone thermal processing requires no precautions.
- During thermal processing or in the event of fire, etc., the fumes should not be inhaled. If inhaled, the person should be moved to fresh air.

5.	FIRE-FIGHTING MEASURES
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Extinguishing Media: Foam, dry chemical powder, CO2 fire extinguishers.

Hazards Arising from Combustion and Gas Formation: Toxic/irritating gases and vapors (e.g., carbon monoxide, carbon dioxide) may be released during a fire.

Special Personal Protective Equipment to Be Used: Standard clothing (fire helmet, coat, trousers, boots, gloves) may be used for response.

Areas engulfed by fire should only be entered while wearing a clean-air mask.

6.	ACCIDENTAL RELEASE MEASURES
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Personal Precautions: Use protective goggles and impermeable gloves.

Environmental Precautions: Prevent accumulation of dust in the work area. It is important to prevent the product from reaching wastewater collection channels.

Methods for Cleaning Up: Due to its form, the product is slippery.

If spilled on the floor, the area should be cleaned.

The product can be disposed of as waste.

7.	HANDLING AND STORAGE
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Handling and Storage:

- Must be kept in dry, enclosed environments.
- Must not be exposed to direct sunlight.
- Ventilation must be provided in areas where the product's melting, crumbling, or other high-temperature processes take place.
- Dust formation must be prevented.
- While the product in granule form poses no problem, a dust mask should be used during crumbling/grinding operations.
- The label information on the product must be preserved.
- Products must be kept at ambient temperature during storage.
- Maximum storage period is 1 year.
- Product pallets must not be stacked on top of one another (if stacked, precautions must be taken against tipping).

- Pallet height must not exceed 3 meters.
- Hooks and sharp mounting equipment must not be used during transport, as they may damage the product's packaging.

8.	EXPOSURE CONTROLS/PERSONAL PROTECTION
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There is no control limit set for the product. However, the airborne dust concentration limit for non-toxic substances is 10 mg/m³.

Respiratory Protection: The area where the product is used must be ventilated. Laboratory samples must be kept in a fume hood.

Hand Protection: No protection is required when handling the product in granule form.

If contact with the product is required while it is hot (e.g., during injection molding, or when cleaning the head and filter on the machine, etc.), heat-resistant gloves must be used.

Eye Protection: No protection is required while the product is in granule form. Safety goggles must be used if contact is expected while the product is hot.

Skin Protection: No special protection is required. Working in standard work clothing is sufficient.

9.	PHYSICAL AND CHEMICAL PROPERTIES
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Physical State: Solid granules

Color: Characteristic

Odor: Characteristic (slight)

Melt Flow Index: Varies according to the mixture ratios within the product.

Boiling Point: Not defined

Melting Point: ≥ 110 °C

Flash Point: Not defined

Vapor Pressure: Not defined

Density: 1–1.3 g/cm³

Viscosity: Not defined

Solubility: Insoluble (insoluble in water)

10.	STABILITY AND REACTIVITY
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Stability: Stable.

Conditions to Avoid: Process temperature should be appropriate to the type of product used. The process temperature must not be exceeded.

Materials to Avoid: Materials compatible with the product's flow characteristics and melting temperature should be used.

Hazardous Decomposition Products: Hazardous polymerization does not occur. Irritating gases may form as a result of use.

Possibility of Hazardous Exothermic Reaction: None.

Possible Changes in the Physical Appearance of the Substance: Changes occur only at very high temperatures.

Hazardous Decomposition Product Formed on Contact with Water: If the product comes into contact with water, issues may arise in the appearance of the product coming out of the production process.

Possibility of Forming Unstable Products through Decomposition: None.

11.	TOXICOLOGICAL INFORMATION
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Toxic Threshold: Not available.

Inhalation: LC 50

Dermal: LD 50

Oral: LD50 > 5000 mg/kg (rat)

Local Effects

Eye Contact: Not irritating. If it comes into contact with the eyes at high temperature for any reason, immediately rinse with cold water and go straight to the nearest hospital.

Skin Contact: Not irritating.

Inhalation: Has a characteristic odor under normal conditions.

Ingestion: Has no toxic properties. If ingested, it may enter the respiratory tract and cause breathing problems.

Allergic Effect: The product has no allergic effect while in granule form.

Fainting Effect: May cause fainting if it enters the windpipe as a result of ingestion.

Carcinogenic Effect: Not carcinogenic.

Mutagenic Effect: No mutagenic effect.

Reproductive Effect: No adverse effect on reproductive activities or development.

Note: Do not allow the product to enter groundwater, waterways, or wastewater.

12.	ECOLOGICAL INFORMATION
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Ecotoxicity: There is no data indicating that it is environmentally hazardous.

Mobility: Not available.

Known or Predicted Distribution to Environmental Compartments: It has a structure that is insoluble in water and remains on the surface of water. Since it has no ability to move/migrate through soil, it does not enter groundwater.

Persistence/Degradability: None.

Bioaccumulation: Accumulation is not possible due to its molecular structure.

Aquatic Toxicity: No dissolving or toxic effect in water. However, it may have a mechanical effect if ingested by aquatic organisms.

Ozone Depletion Potential: None.

Global Warming: No effect.

13.	DISPOSAL CONSIDERATIONS
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Product: Since the product is neither hazardous nor toxic and has a structure suitable for recycling, it should be recycled before disposal.

In cases where recycling is not possible, the product is disposed of by selecting the appropriate disposal method according to the type of final products obtained using our product.

Packaging: Our product is packaged in 25 kg, white-colored, PP woven (jute-type) sacks.

The packaging of our product is suitable for recycling in accordance with the "Packaging Waste Control Regulation" published in the Official Gazette dated 24.08.2011, No. 28035.

14.	TRANSPORT INFORMATION
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Land Transport: Not classified as a hazardous chemical substance under RID/ADR regulations.

***RID:** Regulations Concerning the International Carriage of Dangerous Goods by Rail

***ADR:** European Agreement Concerning the International Carriage of Dangerous Goods by Road

Sea Transport: Not classified as a dangerous substance under the IMDG (International Maritime Dangerous Goods) Code.

Air Transport: Not classified as a dangerous substance under IATA-DGR (Dangerous Goods Regulations for Air Transport).

15.	REGULATORY INFORMATION
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Not covered by the scope of the Hazardous Chemicals Directive EC 88/379.

Note: In accordance with regulations, shipments include details of the information listed below.

Classification and Labeling According to EC Directives

Symbol

Classification Symbol

Risk/Hazard Symbol

Safety Symbol

16.	OTHER INFORMATION
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- The technical and chemical information on the components making up the product concentration has been obtained from the technical specifications, Material Safety Data Sheets, and written undertakings sent by the suppliers.

Based on this information, risk assessment and classification studies have been carried out for the concentration of our product.

- We recommend that you determine the maximum usage rate of the product by referring to our "Product Technical Specifications" format for the product.
- This Material Safety Data Sheet has been prepared in accordance with the "Regulation on the Preparation and Distribution of Safety Data Sheets for Hazardous Substances and Preparations" dated 26.12.2008.