

CONFIDENTIAL

Katun Corporation

10951 Bush Lake Rd, Minneapolis, MN 55438

Tel: 952-941-9505 / www.katun.com

Katun # 44260
TS eS 555 TNR 1671G CTG

Safety Data Sheet

According to EC 1271/2008 and 453/2010

Version 1.0 Revision: DEC 2017

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HMIS Hazard Ratings:

Health	1	slightly hazardous
Flammability	1	combustible
Reactivity	0	stable
Personal Protection	E	safety glasses, gloves, dust respirator

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

1.1 Product identifier: TS eS 555 TNR 1671G CTG

Trade name: Toner

Other means of identification: None

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

1.2.1 Relevant identified uses: Toner

1.2.2 Uses advised against:

Do not supply to general public.

This product should be stored, handled, and used according to the rules of hygiene, safety, and environmental protection provided by existing laws.

1.3 Details of the supplier of the safety data sheet:

Supplier name: Katun Corporation

Address: 10951 Bush Lake Rd, Minneapolis, MN 55438

Tel: 952-941-9505

1.4 Emergency telephone number:

(Chemtrec) (800) 424-9300

2. Hazards identification

2.1 Classification of the substance or mixture

Regulation GHS / CLP

Not classified

2.2 Label elements

Hazard Substance: none

GHS / CLP Classification

Signal word: Not required

Symbol / Hazard statements

None None

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response statements:

None

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Storage statements:

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.

2.3 Other hazards

None

3. Composition/information on ingredients

3.1 Substance/preparation: Mixture

3.1.1 Description of the mixture: Mixture of Not Listed

3.1.2 Hazardous ingredients

Component	CAS/EC/REACH Number	Classification EC 1272/2008	% by weight
Polyester resin		None	80-95
Carbon Black	CAS 1333-86-4 EC 215-609-9	None	3-15
Iron Oxide	CAS 1317-61-9 EC 215-277-5	None	1-10
Wax		None	1-10
Silica	CAS 7631-86-9 EC 231-545-4	None	<5
Titanium dioxide	CAS 13463-67-7 EC 236-375-5	None	<1
Zirconium	CAS 226996-19-6 EC 430-610-6	Aquatic Chronic Cat. 2 H411	0.5-2.0

3.1.3 Additional information

Full text of H- and EUH-phrases: see section 16

4. First aid measures

4.1 Description of first aid measures:

4.1.1 General information:

Move victim from the contaminated workplace to ventilated place. Call the hospital for medical assistance, and provide emergency treatment.

4.1.2 Following inhalation:

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Remove victim to fresh air immediately. Get medical aid immediately.

4.1.3 Following skin contact:

Remove contaminated clothing and shoes. Wash with soap and water.

4.1.4 Following eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

4.1.5 Following ingestion:

Wash out mouth with water and then drink plenty of water.

4.1.6 Self-protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

No information available.

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

Treat symptomatically and supportively.

5. Firefighting measures

5.1 Extinguishing media:

Suitable: Water spray, foam, or dry extinguishing media.

Unsuitable: None known.

5.2 Special hazards arising from the substance or mixture:

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, phosphorus oxides.

5.3 Advice for firefighters:

Good firefighting practice dictates the use of self-contained breathing apparatus and turnout gear. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

5.4 Additional information:

Can form explosive dust-air mixtures when finely dispersed in air.

6. Accidental release measures

6.1 Personal precautions:

- Removal of ignition sources.
- Provision for sufficient ventilation.
- Respiratory protection.
- Do not breathe spray.

6.2 Environmental precautions:

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Keep away from drains, surface and groundwater, and soil. To alert the neighborhood.

6.3 Methods and material for containment and cleaning up:

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections:

Refer to protective measure list in Sections 8 and 13.

6.5 Additional information:

None.

7. Handling and storage

7.1 Precautions for safe handling:

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Prevent skin and eyes contact. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities:

The substances in our product are very stable, please put it in a ventilated, cool, dry place. Keep container closed when not in use. Store away from food and drink.

7.3 Specific end uses:

None.

8. Exposure controls/personal protection

8.1 Control parameters:

No exposure limit value is derived.

8.2 Exposure controls:

- Application of local exhaust ventilation (LEV) during the mixing of dyes

- **Respiratory protection:** When handling material that may generate dust, it is recommended to wear a filtering half masks EN 149 2001 (FFP1 80% filtering), the material can be polypropylene fabric.

- **Hand protection:** Chemically resistant gloves conforming to EN374, e.g. PVC and Latex gloves; breakthrough time (maximum wear duration): 480 min.



- **Eye protection:** Safety glasses with side-shields (frame goggles) (e.g. EN 166)

- **Body protection:** Wear professional long-sleeved overalls (EN ISO13982-1(type5) against solid particles and EN 13034:2009 (type6) protective clothing offering limited protection against liquid chemicals). Material can be mixing of cotton and polyamide, or polypropylene. Protective shoes/boots are not required.

8.3 General safety and hygiene measures:

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The usual precautions for the handling of chemicals must be observed.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance

- Physical state: Powder
- pH value: No data available
- Colour: Black
- Odour: Odourless
- Odour threshold: No data available

Safety relevant basic data

- Melting Point: 110-130°C
- Boiling Point: No data available
- Flash Point: No data available
- Evaporation Rate: No data available
- Upper explosive limits: No data available
- Lower explosive limits: No data available
- Vapor pressure: No data available
- Vapor density: No data available
- Partition coefficient: No data available.
- Auto ignition temperature: No data available
- Decomposition temperature: No data available
- Viscosity, dynamic: No data available
- Oxidizing properties: No data available
- Explosion hazard: No data available
- Bulk density: No data available
- Relative Density: 0.30-0.50 kg/L
- Solubility in water: No data available
- Solubility in other solvents: No data available

- 9.2 Other information: None.

10. Stability and reactivity

10.1 Reactivity:

No dangerous reactive known under conditions of normal use.

10.2 Chemical Stability:

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions:

None.

10.4 Conditions to avoid:

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Heat, moisture.

10.5 Incompatible materials:

Strong acid, strong bases, and strong oxidizing agents.

10.6 Hazardous decomposition products:

None under normal storage conditions.

11. Toxicological information

11.1 Information on toxicological effects:

- LD50/oral/rat: >5000 mg/kg
- Skin irritation (tested on rabbits): No data available
- Eye irritation (tested on rabbits): No data available

11.2 Other information:

None

12. Ecological information

12.1 Toxicity:

- LC50 (fish): >100 mg/L
- EC50 (daphnia): No data available
- IC50 (algae): No data available

12.2 Persistence and degradability:

- Abiotic degradation: No data available
- Chemical oxidation demand (COD) value: No data available
- Biological oxidation demand (BOD) value: No data available
- AOX: Effluent: lower than 0.2 ppm;
Sludge: max. 0.5 ppm
- Total organic con. (TOC): No data available
- Volatile organic compound (VOC): No data available
- Biodegradability: No data available

12.3 Bioaccumulative potential:

- Partition coefficient (n-octanol/water): No data available
- Bioconcentration factor (BCF): No data available

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects: None

12.7 Additional ecotoxicological information:

- Heavy-metal content: Under the ETAD recommended limits.

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13. Disposal considerations

13.1 Waste treatment methods:

- **Product disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable product via a licensed waste disposal contractor.
- **Packaging:** 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.

13.2 Additional information:

Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14. Transport information

- 14.1 UN Number: No classification assigned.
- 14.2 UN Proper Shipping Name: No classification assigned.
- 14.3 Transport hazard class(es): No classification assigned.
- 14.4 Packing group: No classification assigned.
- 14.5 Environmental hazards:
Marine pollutant (Yes/No): No
- 14.6 Special precautions for user: No special precautions are required for this product.
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable
- Other information: Not applicable according to IATA.

15. Regulatory information

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

U.S. Regulation:

- TSCA inventory status: Not listed
- TSCA 12(b) export notification: Not listed
- Cerla section 103 (40cfr302.4): Not Reportable
- SARA section 302 (40cfr355.30): Not Reportable
- SARA section 304 (40cfr355.40): Not Reportable
- SARA section 313 (40cfr372.65): Not Reportable
- OSHA process safety (29cfr1910.119): Not Reportable

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State regulations:

California proposition 65: Not Reportable

European Regulations:

Registration REACH: Not listed

15.2 Chemical safety assessment:

Chemical Safety Assessment has been carried out No

16. Other information

16.1 Indication of changes:

Section 1: Update 1.3 details of the supplier of the safety data sheet and 1.4 Emergency telephone number

Section 8: Update 8.1 control parameters and 8.2 detail of exposure controls

Section 9: Update details of physical and chemical properties

Section 12: Update ecological information

Section 16: Add abbreviation information

16.2 Abbreviations and acronyms:

HMIS: Hazardous Materials Identification System

LD50: Lethal dose, 50 percent

EC50: Half maximal effective concentration

AOX: Halogenated organic compounds

OSHA: Occupational Safety and Health Act

DNEL: derived no effect level

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

ETAD: The Ecological and Toxicological Association of Dyes and Organic Pigments Manufacturers

SARA: Superfund Amendments and Reauthorization Act

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50 percent

IC50: Half maximal inhibitory concentration

IATA: International Air Transport Association

TSCA: Toxic Substance Control Act

PNEC: potential no effect concentration

16.3 Key literature references and sources for data: No data available.

16.4 Classification for mixture and used evaluation method according to regulation (EC) 1207/2008 (CLP)

The mixture is not classified due to non-hazardous substances.