

GS 645 ECOLOGICAL DISCHARGE WHITE – WB

SAFETY DATA SHEET

SAFETY DATA SHEET according to Regulation (EU) 2015/830 (Annex II of REACH)

Preparation Date : 01.03.2016
Revision Date : 24.11.2016
Revision : 01

Page: 1/9

SECTION 1. Identification

1.1 Product identifier

Product name : GS 645 ECOLOGICAL DISCHARGE WHITE – WB

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

Industrial Applications for Textile Printing

1.3 Details of the supplier of the safety data sheet

Company Name : Anadolu Kimya San.Tic.Ltd.Őti.
Company Address : Akçaburgaz Mah. 3105. Sokak No: 8-12
Esenyurt – ISTANBUL – TURKEY
Telefon : +90 212 875 77 50 (3 lines)
Fax : +90 212 875 08 22
web : www.anadolukimya.com
e-mail : info@anadolukimya.com

1.4 Emergency telephone number : +90 212 875 77 50 (3 lines)

SECTION 2. Hazards Identification

2.1 Classification of the substance or mixture according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Physical hazards : Not classified
Health hazards : Not classified
Enviromental hazards : It is not harmful to the environment.

2.2 Label Elements according to Regulation (EC) No. 1272/2008 (CLP/GHS)

No label elements required

2.3 Other Hazards : Not a PBT, vPvB substance as per the criteria of the REACH Ordinance.

GS 645 ECOLOGICAL DISCHARGE WHITE – WB

SAFETY DATA SHEET

SAFETY DATA SHEET according to Regulation (EU) 2015/830 (Annex II of REACH)

Preparation Date : 01.03.2016
Revision Date : 24.11.2016
Revision : 01

Page: 2/9

SECTION 3. Composition/Information on Ingredients

3.1 Substance/mixture : Preparation of water based polymer dispersion and additives (mixture).

Product /Ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 (CLP)
Water based polymer dispersion	EC : - CAS : -	40-60	-
1,2-Propanediol	EC : 200-338-0 CAS : 57-55-6	5-15	-
Water	EC : 231-791-2 CAS : 7732-18-5	5-15	-
Titanium dioxide	EC : 236-675-5 CAS : 13463-67-7	15-25	-

SECTION 4. First-Aid Measures

4.1 Description of first aid measures:

Inhalation; In case of over breathe, it does not irritate or harm the respiratory track.

Skin contact; Wash with plenty of water and consult a doctor.

Eye contact; Wash with plenty of water and If easy to do, remove contact lenses. Consult a doctor.

Swallowed; Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed: It is not expected to pose a serious hazard under normal use conditions.

4.3 Indication of any immediate medical attention and special treatment needed: No data available

SECTION 5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Water, Foam, Carbon Dioxide, Dry powder.

Unsuitable extinguishing media: No data available

GS 645 ECOLOGICAL DISCHARGE WHITE – WB

SAFETY DATA SHEET

SAFETY DATA SHEET according to Regulation (EU) 2015/830 (Annex II of REACH)

Preparation Date : 01.03.2016
Revision Date : 24.11.2016
Revision : 01

Page: 3/9

5.2 Special hazards arising from the substance or mixture

In case of fire, dangerous combustion gases such as Carbon Oxides (CO_x), Nitrogen Oxides (NO_x) and other harmful substances may be released.

5.3 Advice for firefighters

Whenever necessary to extinguish a fire, use a full mask with oxygen tubing.

SECTION 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

In case of spilling on the floor, you may slide when stepped on. Wear personal protective apparatus mentioned in item 8.

6.2 Environmental precautions

Do not let the product to enter drains, water courses or the soil. Should not be released into the environment.

6.3 Methods and material for containment and cleaning up

It must be cleaned using absorbent materials and filled into a appropriate container. It must be disposed of in accordance with local regulations. Keep wastes in suitable closed containers for this work.

6.4 Reference to other sections

For personal protection see section 8.

For disposal see section 13.

SECTION 7. Handling and Storage

7.1 Precautions for safe handling

Handling: No special precautions are required beyond normal hygiene practices. Opened containers should be carefully closed and kept upright to prevent spillage. It should be used in ventilated areas and should be consumed within 12 months after the production date.

Environmental Precautions: Do not allow material to contaminate sewer system. Avoid transfer into the environment.

GS 645 ECOLOGICAL DISCHARGE WHITE – WB

SAFETY DATA SHEET

SAFETY DATA SHEET according to Regulation (EU) 2015/830 (Annex II of REACH)

Preparation Date : 01.03.2016
Revision Date : 24.11.2016
Revision : 01

Page: 4/9

7.2 Conditions for safe storage, including any incompatibilities

Keep containers dry and tightly closed. Store in ventilated place between (+5) and (+30) °C /(+41) and (+86)°F of temperature.

7.3 Specific end use(s)

No specific use other than those specified in Section 1.2 is predicted.

SECTION 8. Exposure Controls/Personal Protection

8.1 Control parameters

It does not contain any substances with an exposure limit.

8.2 Exposure controls

Appropriate engineering controls: Good general ventilation should be used. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment:



Respiratory: In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face: Wear splash goggles. Use equipment for eye protection tested and approved under appropriate government standards. Wear face shield if splashing hazard exists.

Hands: Wear protective gloves. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Skin/Body: Wear protective apron. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Environmental exposure controls: Do not discharge onto the ground or into water courses.

GS 645 ECOLOGICAL DISCHARGE WHITE – WB

SAFETY DATA SHEET

SAFETY DATA SHEET according to Regulation (EU) 2015/830 (Annex II of REACH)

Preparation Date : 01.03.2016
Revision Date : 24.11.2016
Revision : 01

Page: 5/9

SECTION 9. Physical and Chemical Properties

9.1 Information on physical and chemical properties

Appearance	Viscous paste
Color	White
Odour	Very Faint
pH	6-7,5 (25 °C/ 77 °F)
Boiling Point	100 °C/ 212 °F
Flash Point	> 100 °C/ 212 °F
Decomposition Temperature	No data available
Vapour Pressure	No data available
Density	1,14 g/ cm ³ (25 °C/ 77 °F)
Viscosity	[(25 °C) sp: 7, rpm: 20 Brookfield] : 100.000 – 105.000 [mPa.s]
Solubility	Miscible
Partition coefficient (n-octanol/water)	No data available
Flammability	No data available
Auto-ignition temperature	No data available
Explosive / oxidising properties	There is no risk

GS 645 ECOLOGICAL DISCHARGE WHITE – WB

SAFETY DATA SHEET

SAFETY DATA SHEET according to Regulation (EU) 2015/830 (Annex II of REACH)

Preparation Date : 01.03.2016
Revision Date : 24.11.2016
Revision : 01

Page: 6/9

SECTION 10. Stability and Reactivity

10.1 Reactivity: In the condition of proper storing in original buckets, there is no risk of reactivity.

10.2 Chemical stability: The product is stable in the recommended storage conditions.

10.3 Possibility of hazardous reactions: Under normal conditions of use, there is no known hazardous reaction.

10.4 Conditions to avoid: None at ambient temperatures.

10.5 Incompatible materials: Strong oxidizing agents

10.6 Hazardous decomposition products: Products can be released in the event of a fire as specified in Section 5.2.

SECTION 11. Toxicological Information

11.1 Information on toxicological effects

Acute inhalation toxicity : LD50 Rat: > 2.000 mg/kg (OECD Guideline No.423)

No expecting any acute general toxic effects further to composition of product.

No known harmful and irritative effects with contact of skin and inhalation.

However avoid the contact with eyes and mouth.

SECTION 12. Ecological Information

12.1 Toxicity

Fish toxicity: LC50 (96h) > 100 mg/l (OECD Guideline No.203)

Daphnia and other aquatic invertebrates toxicity: No data available

Algae toxicity: No data available

GS 645 ECOLOGICAL DISCHARGE WHITE – WB

SAFETY DATA SHEET

SAFETY DATA SHEET according to Regulation (EU) 2015/830 (Annex II of REACH)

Preparation Date : 01.03.2016
Revision Date : 24.11.2016
Revision : 01

Page: 7/9

12.2 Persistence and degradability: < 70 % (OECD Guideline No.302 B). The product is poorly biodegradable.

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment: No data available

12.6 Other adverse effects: Disposal water can be purified through flocculation system. The product does not increase the rate of AOX of disposal water. The product does not contain harmful heavy metals and free nitrogen that can cause the consume of oxygen.

SECTION 13. Disposal Considerations

13.1 Waste treatment methods

Waste material should be disposed of in accordance with the Directive 2008/98 / EC on waste and local regulations. Empty containers may contain residues. For this reason, it should be treated like a full container.

SECTION 14. Transport Information

ADR/RID, ADN, IMDG, ICAO/IATA : Not listed

14.1 UN number: No data available

14.2 UN proper shipping name: No data available

14.3 Transporthazard class(es): No data available

14.4 Packing group: No data available

14.5 Environmental hazards: It is not harmful to the environment.

GS 645 ECOLOGICAL DISCHARGE WHITE – WB

SAFETY DATA SHEET

SAFETY DATA SHEET according to Regulation (EU) 2015/830 (Annex II of REACH)

Preparation Date : 01.03.2016
Revision Date : 24.11.2016
Revision : 01

Page: 8/9

14.6 Special precautions for user: Obtain special instructions before use.

14.7 Transport in bulk according to Annex II of Marpol and IBC Code: No data available

SECTION 15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV – List of substances subject to authorisation Substances of very high concern :
None of the components are listed.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16. Other Information

The information given is designed only as a guidance for safe handling, usage, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification.

Revision

Updated in accordance with the provisions of REACH Annex II (EU No 2015/830).

Abbreviations and acronyms

CLP	Regulation ensures that the hazards presented by chemicals are clearly communicated to workers and consumers in the European Union through classification and labelling of chemicals.
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
LD50	Dose required to kill half the members of a tested population after a specified test duration.
UN Number	Four-digit numbers that identify hazardous materials
MARPOL	International Convention for the Prevention of Pollution from Ships
IBC	Intermediate Bulk Container

GS 645 ECOLOGICAL DISCHARGE WHITE – WB

SAFETY DATA SHEET

SAFETY DATA SHEET according to OSHA 29 CFR 1910.1200 HCS

Preparation Date : 01.03.2016
Revision Date : 24.11.2016
Revision : 01

Page: 9/9

REACH	Regulation of the European Union, adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals, while enhancing the competitiveness of the EU chemicals industry.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG Code	International Maritime Dangerous Goods Code
ICAO	Technical Instructions for the Safe Transport of Dangerous Goods by Air
IATA	International Air Transport Association Annual Report 2007

Key literature references

It is based on REGULATION (EC) No 1272/2008.