

Product Name: DYNAPRINT Cotton White**1. PRODUCT & COMPANY IDENTIFICATION :**

- 1.1. **Product Name** : **DYNAPRINT Cotton White**
1.2. **Product Usage** : White printing base – phthalate free

1.3. Details of the supplier of the safety data sheet :

Supplier Name : NBC Meshtec Americas Inc.
Address : 512 Kingsland Drive
Batavia, IL 60510 USA
Website : nbcmeshtec.com
Email : info@nbcmeshtec.com
Phone : 1 (800) 235-5056
Fax : 1 (630) 293-5647

1.4. Emergency Phone Contact :

24/7 Emergency Line: 1 (800) 535-5053 Infotrac United States and Canada
+1 (352) 323-3500 Infotrac International (Call collect)

2. HAZARDS IDENTIFICATION :**2.1. Classification of Substance and Mixture :**

Physical Hazards : The product is not classified as harmful.

Health Hazards : May cause sensitization by skin contact. May cause an allergic skin reaction. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If victim does not feel well, immediately call the 24/7 Emergency Line listed in Section 1.4. Seek medical attention immediately. Use suitable protective clothing, gloves, and eye/face protection. Keep out of the reach of children and under lock and key.

Environmental Hazards : Do not empty into drains. Dispose of contents/container in accordance with all applicable Federal, State, and local regulations.

2.2. Label Elements:

Labelling According to Regulation (EC) No 1272/2008 :

Harmfulness Statements : See Section 16.

Precautionary Statements : EUH210 safety data sheet can be provided on request.

Pictogram : GHS07

2.3. Other Hazards : N/A

Product Name: DYNAPRINT Cotton White

SDS Version No.: 1.2
 Issue Date: January 2016
 Revision Date: July 2018

3. COMPOSITION INFORMATION ON HAZARDOUS INGREDIENTS :

Component	CAS No	EC No	Concentration (%)	Classification	Labeling
PolyVinylChloride	9002-86-2	208-750-2	30-40 %	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008	--
Plasticizers, special mix	--	--	5-10 %	No need for classification according to GHS criteria for this product	The product does not require a hazard warning label in accordance with GHS criteria.
Titanium dioxide	13463-67-7	236-675-5	15-20 %	--	--

4. FIRST AID MEASURES :

Inhalation : Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious. If victim does not feel well, immediately call the 24/7 Emergency Line listed in Section 1.4. Seek medical attention immediately.

Contact with Eyes : Immediately flush eyes with large amounts of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire eye surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

Contact with Skin : Immediately flush skin with plenty of water while removing contaminated clothing. Wash contaminated clothing before reuse. If redness or irritation occurs, seek medical attention.

Ingestion : Harmful if swallowed. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, lay victim on side in recovery position to open the airway and prevent aspiration. Immediately consult a doctor, keeping the product label handy for reference (if possible).

5. FIRE FIGHTING MEASURES :

Extinguishers : Dry powder, carbon dioxide, alcohol-resistant foam. Avoid contact with water.

Special Hazards Arising from the Substance or Mixture : Carbon oxides, nitrogen oxide

Extinguishing Media : If necessary, follow emergency plan and evacuate staff from affected area.

Special Fire Fighting Equipment : Use gas mask for respiration, leakproof chemical goggles against splashing, fireproof gloves, boots, and flame-resistant clothing.

6. ACCIDENTAL RELEASE MEASURES :

Personal Precautions : Wear protective equipment. Immediately ventilate the contaminated area. Unprotected persons must move away from the contaminated area.

Product Name: DYNAPRINT Cotton White

Environmental Precautions : If there is spillage, use a general-purpose absorbent/chemical kit to absorb the spilled material. Do not empty into drains and keep from contaminating other chemicals. Wash the contaminated area. Inform applicable authorities immediately.

Cleaning Methods : If possible, use a chemical kit appropriate for the ingredients of this product. If no general-purpose absorbent / chemical kit is available, absorb with suitable material and dispose of appropriately. Do not clean with water.

7. HANDLING AND STORAGE :

Precautions for Safe Handling: Avoid spilling. Do not inhale. Avoid contact with eyes and skin.

Usage : Wash skin/hands with plenty of water after each use, especially if skin or eyes come into direct contact with chemical. (See Section 4) If needed, follow emergency plan and evacuate staff from affected area. No smoking.

Storage : This material and its container must be disposed of as hazardous waste. Keep container in a dry, cool, well-ventilated place with original packaging. Take precautionary measures against static discharges. No smoking. Product must be stored in accordance with all applicable Federal, State, and local laws. Attention should be paid to warnings given on the label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION :

Occupational Exposure Controls / Personal Protection:

Titanium Dioxide : TWA (8 hours) : 15 mg / m³

General hygiene and safety rules should be followed. The working environment must include an eye shower (wash) station. Wash hands after use and at end of day.

Engineering Measures : Good general ventilation should be used. Use exhaust ventilation and/or other engineering controls to maintain accumulated chemical levels in the air below the acceptable limit. General hygiene and safety rules should be followed. The working environment must include an eye shower (wash) station.



Personal Protective Equipment :



Protection (Respiratory System) : Gas masks with filters appropriate to the chemical.

Protection (Eye, Face) : Protective goggles against the risk of splashing.

Protection (Skin, Body) : May cause skin irritation and burns; use chemical resistant gloves.

Protection (Hands) : Use fire and chemical resistant clothing.

Product Name: DYNAPRINT Cotton WhiteSDS Version No.: 1.2
Issue Date: January 2016
Revision Date: July 2018**9. PHYSICAL and CHEMICAL PROPERTIES :****9.1. General Information :****9.1.1. Visual Appearance** : White paste**9.1.2. Odor** : Characteristic**9.2. Important Health, Safety, and Environmental Information :****pH** : N/A**Boiling Point** : 212°F (water)**Viscosity** : [Brookfield] : 1.900.000-2.000.000 [mPa.s]**Density** : 1.5 g/cm³ (77°F)**Solubility** : N/A**10. STABILITY AND REACTIVITY :**

Stable under normal conditions—product is not reactive. Keep away from direct sunlight and from products that contain aggressive chemicals. In case of overheating, product may release chemical gases.

11. TOXICOLOGICAL INFORMATION :**Acute Toxicity****Plasticizer, Special Mix :**

LD50 Oral - Rat – male and female → 5.000 mg/kg

LD50 Dermal - Guinea pig → 19.680 mg/kg

LD50 Intraperitoneal - Rat - male → 3.200 mg/kg

Skin Corrosion/Irritation

Skin - Rabbit

Result: No skin irritation - 4 H (OECD test guideline 404)

Serious Eye Damage/Irritation

Eyes - Rabbit

Result: Small amount of eye irritation (OECD test guideline 405)

Respiratory or Skin Sensitivity

Appropriate data are not available

Germ Cell Mutagenite

S. typhimurium

Result: Negative

Suspected of Causing Cancer

IARC: 0.1% or more of this product in any content by IARC probable, possible as a carcinogen has not been identified or approved.

Product Name: DYNAPRINT Cotton WhiteSDS Version No.: 1.2
Issue Date: January 2016
Revision Date: July 2018**Reproductive Toxicity**

Appropriate data are not available

Specific Target Organ Toxicity - Single Exposure

Appropriate data are not available

Specific Target Organ Toxicity - Repeated Exposure

Appropriate data are not available

Aspiration Hazard

Appropriate data are not available

Titanium Dioxide :

LD50 Oral - Rat → 10.000 mg/kg

LD50 Dermal - Rabbit → 10.000 mg/kg

Skin Corrosion/Irritation

Dermal - Human

Result: Small amount of skin irritation - 3 h

Serious Damage/Eye Irritation

Eyes - Rabbit

Result: No eye irritation

Other Toxicology Information :**Inhalation** : May cause irritation and coughing.**Contact with Skin** : May cause irritation and cracking of the skin as a long-term effect.**Contact with Eyes** : May cause irritation. Use suitable protective clothing, gloves, goggles, mask.**Ingestion** : May cause harm in case of ingestion.**12. ECOLOGICAL INFORMATION :****Ecotoxicity** : Toxic in an aquatic environment. Do not empty into drains. Avoid releasing into the environment.

Refer to special instructions/safety data sheet.

12.1. Toxicity**Plasticizer, Special Mix :****Toxicity Static Test on Fish**

LC50 - Pimephales promelas (Carp Cub) → 984 mg/l - 96 H (OECD test guideline 203)

Toxicity To Daphnia and Other Aquatic Invertebrates

Immobilization

EC50 - Daphnia magna (sweet bay) – 0.0014 mg/l - 48 h (OECD Test Guide 202)

Product Name: DYNAPRINT Cotton WhiteSDS Version No.: 1.2
Issue Date: January 2016
Revision Date: July 2018**Toxicity on Algae**

Growth suppression (inhibition)

EC50 - Selenastrum capricornutum (green algae) → 0.86 mg/l - 72 h (OECD Test Guide201)

Toxicity On Bacteria

Prevention of respiratory

EC50 - Sludge treatment → 10 mg/L - 3 h (OECD Test Guideline 209)

Titanium Dioxide :**Toxicity to Fish**

LC50 - other fish → 1.000 mg/l - 96 h

Toxicity To Daphnia And Other Aquatic Invertebrates

EC50 - Daphnia magna (sweet bay) → 1.000 mg/l - 48 h

EC0 - Daphnia magna (sweet bay) - 1.000 mg/l - 48 h

12.2. Persistence and Degradability :**Plasticizer, Special Mix :**

Oxygen biodegradation (Aerobic) - Exposure time: 28 d Result: 73.05 % - readily biodegradable. (OECD Test Guideline 301 B)

12.3. Bioaccumulative Potential : This product does not bioaccumulate.**12.4. Mobility in Soil :** This product will mix with water and may spread in an aquatic environment.**12.5. Results of PBT and vPvB Evaluation :** This product does not contain any substances classified as PBT or vPvB.**12.6. Other Adverse Effects :** Other adverse effects are unknown.**13. DISPOSAL CONSIDERATIONS :****Disposal/Destruction :** Dispose of product and container in accordance with all Federal, State, and local laws, by means of an approved waste disposal plant.**Waste Classification :** European waste catalogue (ewc) code: 040216 Dyestuffs and pigments containing dangerous substances.**14. TRANSPORT INFORMATION :****ADR/RID :** UN code : N/A, Classification : N/A
IMDG/IMO : UN code : N/A, Classification : N/A
IATA/ICAO : UN code : N/A, Classification : N/A**Packaging and Transport Information :** Packaging must be closed tightly. Keep away from products that contain aggressive chemicals.**Proposed Special Transport Packaging :** Determined by the manufacturer.

Product Name: DYNAPRINT Cotton White

SDS Version No.: 1.2
Issue Date: January 2016
Revision Date: July 2018

Environmental hazards: Environmentally hazardous/Marine pollutant.

Bulk carriage does not apply, according to MARPOL 73/78, Annex II and IBC code.

15. REGULATORY INFORMATION :

15.1. Specific Safety, Health, and Environmental Legislation for the Substance or Mixture :

National Legislation : Republic of Turkey Ministry of Environment and Urbanisation, 11 December 2013 on classification, labelling and packaging of substances and mixtures legislation

European Directive: Regulation (EC) No 1272/2008, OJ L 353 of the European Parliament and of the Council of 16 December 2008 on classification, labelling, and packaging of substances and mixtures - amending and repealing Directive 67/548/EEC and 1999/45/EC, and Regulation (EC) No 1907/2006.

Guide :

UNECE (United Nations Economic Commission for Europe) :

https://www.unece.org/fileadmin/DAM/trans/danger/publi/ghs/ghs_rev02/English/08e_annex4.pdf

[ECHA](http://echa.europa.eu) (European Chemical Agency) :

<http://echa.europa.eu/web/guest/regulations/clp>

16. OTHER INFORMATION :

Hazard Statements :

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

Precautionary Statements :

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

P363 Wash contaminated clothing before reuse.

P301+P312 IF SWALLOWED: Call the 24/7 Emergency Line listed in Section 1.4 or a doctor/physician if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

P501 Dispose of product and container in accordance with all Federal, State, and local laws, by means of an approved waste disposal plant.

Product Name: DYNAPRINT Cotton WhiteSDS Version No.: 1.2
Issue Date: January 2016
Revision Date: July 2018**Pictograms / Symbols :****GHS07**

Warning

Additional Information :

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Information and warnings in this safety data sheet are taken from UNECE (United Nations Economic Commission for Europe) and are only informational. The manufacturer/distributor cannot be held responsible for any direct or indirect loss or damage.

History of Revision :

Rev. No	Rev. Date	Revision Details
0	January 2016	First Issue
1	October 2017	Sections 2, 3 were reviewed
2	July 2018	Section 9 has been updated