

# MOGUL

## SPUNBOND - MELTBLOWN - SPUNLACE NONWOVENS

April 01, 2016

Dear Customer,

The enclosed (Material) Safety Data Sheet(s) (SDSs) is being sent as a result of either a request or a recent product order from MOGUL Nonwovens.

The Occupational Safety and Health Administration (OSHA) mandate the issuance of SDS pursuant to the requirements of the (US) Federal Hazard Communication Standard (29 CFR 1910.1200). To the best of our knowledge, the enclosed SDS is in compliance with the requirements of the OSHA Hazard Communication Standard.

Nonwovens are generally known to be not hazardous. SDS is not legally requested but must be considered as information. It is based on the EC recommendation for SDS (Commission directive 93/112/EC of 10 Dec. 93)

The information contained in this SDS has been developed by the Company on the express request of its customers and to the best of valid knowledge. Therefore, the company does not assume any liability with respect to the correctness and/or completeness of the information provided by the SDS. The customer in particular shall not be released from his duty to check all safety relevant properties of the delivered nonwovens and to refer to the official texts for full information on the local obligations.

For more information about the contents of this SDS please contact us. To obtain copies of SDSs on other MOGUL Nonwovens products, call us (+90(342)337 1499) or fax your request to us (+90(342)337 1413) or send your request by email ([mogul@mogulsb.com](mailto:mogul@mogulsb.com)).

Thank you for your interest in MOGUL Nonwovens products.

Sincerely,

MOGUL Nonwovens – Quality Control Department

Product type: **POLYPROPYLENE SPUNBOND**

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**MOGUL KUMAS SANAYI VE TICARET LIMITED SIRKETI**

2. Organize Sanayi Bolgesi 83228 nolu cadde No:8 Sehitkamil / Baspinar GAZIANTEP - TURKEY

**TRADE NAME:** MOTEX [for medical applications (only white for food applications)]  
**PRODUCT CODE:** Polypropylene Spunbond (S or SS) fabrics  
White or having different medical colors (of Mogul codes; D5, E2, K2)

**SECTION 01: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

Telephone; +90(342)3371499 or +90(342)3371598  
Fax; +90(342)3371413  
e-mail; mogul@mogulsb.com  
web site; [www.mogulsb.com](http://www.mogulsb.com)

**EMERGENCY PHONE NUMBER:** As above  
**MATERIAL USE:** Please refer to technical literature

**SECTION 02: HAZARDS IDENTIFICATION**

Not hazardous under normal conditions. (Accidental thermal decomposition or melting state can present hazards.)  
Not classified as hazardous product by OSHA Hazard Communication Standard (**29 CFR 1910.1200**)  
No ingredient classified under (EC) No. 1272/2008 (**CLP**)  
Not dangerous substance according to **GHS Classification**.  
Not a controlled product for **WHMIS Classification**.  
Not dangerous substance according to **TDG Classification**.

**NFPA Hazard Ratings:** none (0) → extreme (4)

**Health:** 0  
**Fire:** 1  
**Reactivity:** 0

**SECTION 03: COMPOSITION / INFORMATION on HAZARDOUS INGREDIENTS**

**Nonwoven:** Spun laid web forming and area thermal bonded web bonding process  
**Nature of fiber(s):** Minimum 96% polypropylene homo polymer (CAS No: 9003-07-0)  
**Binder:** No  
**Chemicals:** No  
**Web surface treatment:** No  
**Additives:** Maximum 3,5% color pigments and proprietary components.  
**Other major components:** Maximum 0,5% TiO<sub>2</sub> (CAS No: 13463-67-7) (for white colors)

**SECTION 04: FIRST AID MEASURES**

**Inhalation:** No specific measure to be taken **under normal conditions**.  
**Carcinogenicity:** No specific information available. See **SECTION 11**.  
**Skin contact:** No specific measure to be taken. If redness or **irritation** persists use good personal hygiene and wash thoroughly after handling. For continuing complaints contact a physician.  
**Eyes contact:** No specific measure to be taken. If **irritation** occurs, flush eyes immediately with large amounts of water for at least 15 minutes and continue flushing until irritation subsides. If redness or irritation persists, in case of foreign body in eye, contact a physician.  
**Ingestion:** No specific information available.  
**Long term/delayed effects:** If overheated, may affect those with chronic diseases of respiratory system. Consult a doctor.

**SECTION 05: FIRE AND EXPLOSION HAZARD AND FIRE FIGHTING MEASURES**

**FLAMMABILITY:** Not easily flammable. (can flame higher than 350°C (660°F))  
**Suitable extinguishing media:** Use water spray, dry chemical, foam, CO<sub>2</sub>  
**Extinguishing-media not to be used:** No.  
**Special firefighting procedures:** No. Standard procedure for class A fires.  
**Hazardous Combustion Products:** When heated above the melting point; carbon monoxide, carbon dioxide, acrolein, ketones, aldehydes and other unidentified organic compounds can

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**Special exposure hazard:**

 be formed. For flammable and toxic fumes as well as skin contact with molten materials see **SECTION 10**.

Large fires in confined areas; use NIOSH / MSHA approved self-contained breathing apparatus. Use water, fog, spray to cool exposed equipment &amp; containers.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Not applicable.

**SECTION 07: HANDLING AND STORAGE**
**Before usage;** Store in a cool and dry place away from direct sunlight.

Shelf Life; Indefinitely product kept under proper conditions.

**After usage;** can be harmful according to the used area. Aware of used material (and dirt empty pack or containers) to be contact with food & skin or children & animal consumption.

**SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS**

No specific equipment needed. General ventilation should be adequate for normal use.

<b>Permissible Exposure limits:</b> (OSHA) inhalable <b>total dust</b>	<b>Polyolefin</b>	<b>Color pigments</b>	<b>TiO<sub>2</sub></b>
TWA (8 hour)	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Short term (15 min.)	Not established	Not established	Not established

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Available in white color and different shape/dimension.
<b>Odor:</b>	No specific odor
<b>pH:</b>	Not applicable
<b>Boiling point:</b>	Not applicable
<b>Melting point:</b>	Approx. 160°C (320°F)
<b>Decomposition temperature:</b>	Greater than 300°C (570°F)
<b>Flash point:</b>	Not applicable
<b>Flammability:</b>	Not easily flammable
<b>Auto flammability:</b>	Auto ignition temperature: >350°C (>660°F)
<b>Explosive properties:</b>	Not applicable
<b>Oxidizing properties:</b>	Not applicable
<b>Vapor pressure:</b>	Not applicable
<b>Relative density:</b>	~0,9 (water=1)
<b>Solubility in water:</b>	Insoluble
<b>Solubility in fats:</b>	Insoluble
<b>Partition coefficient: n-octanol/water:</b>	Not applicable

**SECTION 10: STABILITY AND REACTIVITY**

Stable under ordinary conditions of use and storage.

**Conditions to avoid;**

Under thermal decomposition conditions flammable and toxic fumes can be generated.

Above 230°C (446°F) may be released: toxic and flammable gases, carbon monoxide. The generation of cleavage and oxidation products is subject to fire conditions. Hazardous polymerization is not estimated.

Not burned residues and contaminated water after firefighting should be disposed of in compliance with official regulations. Use protective gloves for molten.

The product can react with strong oxidation agents, acids and basis.

**SECTION 11: TOXICOLOGICAL INFORMATION**

 No toxic reaction known under normal conditions. **LD50 & LC50, Reproduction Toxicity, Teratogenicity, Mutagenicity, Synergistic Products, Sensitization to Product** is not available.

 For Irritancy see **SECTION 4**.

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**Carcinogenicity:** Not classifiable for IARC, NTP, EPA, ACGIH and OSHA. No listed ingredient for California Prop 65.  
**Note;** For decomposition conditions, toxic fumes and contaminated water is expectable. See **SECTION 10**.

**SECTION 12: ECOLOGICAL CONSIDERATIONS**

For transportation, storage and regular use, no toxicological effect known.  
The fibers are not biodegradable.

**After usage;** according to usage area should be stored under proper conditions or recycled properly (**SECTION 13**).

**SECTION 13: DISPOSAL CONSIDERATIONS**

As nonhazardous solid waste, nonwovens can be disposed of, depending on local legislation, through;

**Recycling:** Yes

**Landfill:** Yes

**Incineration:** Otherwise manage in a RCRA permitted waste management facility. Dispose of in accordance with local, state & federal regulations.

**SECTION 14: TRANSPORT INFORMATION**

No specific request. Not regulated by DOT, IMDG, IMO, ADR, RID, IATA, ICAO and TDG.

**SECTION 15: REGULATORY INFORMATION**

Non of the ingredients known is classified/listed according to current Directive REACH-SVHC, 67/548/EEC and EU CLP Regulation No: 1272/2008 and CSA (by EU) or US regulations by; CERCLA (40 CFR 302.4), OSHA (29 CFR 1910.1200), SARA Title III (40 CFR 372), CAA, CWA, TSCA and State Right to Know Lists (US) is not applicable or available. In addition to those outlined in **SECTION 02**, this product contains no other hazardous chemicals according to California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

The **color products** do not have FDA approval as a food additive either direct or indirect per 21 CFR. Therefore, it is not approved for use as articles or components of articles intended for repeated contact with food. This products have not been evaluated by USDA for use in packaging material in direct contact with meat or poultry food products prepared under federal inspection.

Most of the monomers used to produce the **only white product** are listed in the Union List of Authorized Substances of Regulation 10/2011/EC and subsequent amendments. To fully comply with the food regulation, the overall migration (OML) from the finished plastic food contact material or article to food can be no greater than 10 mg/dm<sup>2</sup>. The base resin in this product meets the FDA requirements contained in the Code of Federal Regulations in 21 CFR 177.1520(a)(1)(i) and (c)1.1a. This main resin may also contain adjuvant substances that may be safely used in polymers used for the manufacture of articles that come into direct contact with food. According to our information, the substances used in this product meet the requirements of their respective FDA regulations and 21 CFR 177.1520(b). The included TiO<sub>2</sub> can be under regulations for the last product. Surveillance of last products to be in accordance with such regulations is in user's responsibility.

**SECTION 16: OTHER INFORMATION**

The above mentioned data are based on our best information and do not represent any characteristic guarantee. It is in the responsibility of the user of our products to observe the existing laws and regulations. The user has the responsibility to use the last revised issue.

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**Abbrev.:**

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ACGIH	American Conference of Governmental Industrial Hygienists
ADR/RID	Agreement on Dangerous Goods by Road / Regulations concerning the Intl. Transport of Dangerous Goods by Rail
CAA	Clean Air Act Amendments of 1990
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CLP	(EU) Classification, Labelling and Packaging
CSA	(EU) Chemical Safety Assessment
CWA	Clean Water Act
DOT	Department of Transportation
EEC	The European Economic Community
EPA	Environmental Protection Agency
FDA	Food & Drug Administration
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
IATA	The International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods code
IMO	The International Maritime Organization
NFPA	The National Fire Protection Association
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
RCRA	Resource Conservation and Recovery Act
REACH	(EU) Registration, Evaluation, Authorization and Restriction of Chemicals (EC No: 1907/206 &1272/2008)
SARA	Superfund Amendments and Reauthorization Act
SVHC	(REACH) - Candidate List of Substances of Very High Concern
TDG	Transportation of Dangerous Goods Act
TSCA	(The U.S.) Toxic Substances Control Act
TWA	Time Weighted Average
USDA	United States Department of Agriculture
WHMIS	Workplace Hazardous Materials Information System

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