



SAFETY DATA SHEET

1	IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
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Product name: QuietShield 3105S

Supplier:

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England
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Intended use: Nonwoven material with attached scrim treated with binder.

2	HAZARDS IDENTIFICATION
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Used as intended, this product is not expected to generate potentially hazardous quantities of dust. Processing may generate hazardous fumes and dusts.

Potential health effects

Inhalation: No inhalation hazard under normal conditions. Dust released from the material can enter the body by inhalation or ingestion. High concentrations of dust may irritate throat and respiratory system and cause coughing. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Eye contact: Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate the eyes.

Skin contact: Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate skin.

Ingestion: Not relevant, due to the form of the product.

Other health effects: Repeated exposure to high concentrations of dust may adversely affect the lungs. Carbon black has caused cancer in experimental animals. Inhalation of airborne titanium dioxide dust may cause cancer.

Potential physical / chemical effects: The product is non-combustible. Will burn if involved in a fire.

Environment: The product is not expected to be hazardous to the environment.

3 COMPOSITION/INFORMATION ON INGREDIENTS

General information: QuietShield 3105S is a nonwoven material treated with a binder and die cut to shape.

Chemical name	EC No.	CAS-No.	Concentration *	Classification	Notes
Titanium dioxide	236-675-5	13463-67-7	1 - 5%	-	-
Carbon black	215-609-9	1333-86-4	1 - 5%	-	-

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4 FIRST-AID MEASURES

Inhalation: In case of inhalation of dusts or fumes from heated product: Move the exposed person to fresh air at once. In case of persistent throat irritation or coughing: Seek medical attention and take along these instructions.

Eye contact: Flush thoroughly with water. Do not rub eye. If irritation occurs, get medical assistance. If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes.

Skin contact: Wash skin with soap and water. Get immediate medical attention if symptoms occur after washing. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.

Ingestion: No adverse effects due to ingestion are expected.

Note to physician: Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.

Inappropriate extinguishing media: None.

Special fire fighting procedures: Use fire-extinguishing media appropriate for surrounding materials.

Unusual fire & explosion hazards: Will burn if involved in a fire. During fire, gases hazardous to health may be formed.

Hazardous combustion products: Aldehydes, Carbon oxides, Hydrocarbons, Nitrogen oxides, Smoke, Sulfur oxides

Protective measures: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Used as intended, this product is not expected to generate potentially hazardous quantities of dust. Avoid generation and spreading of dust. Avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing and gloves. See Section 8 for personal protective equipment.

Spill cleanup methods: If dust is generated during processing: Collect dust using a vacuum cleaner equipped with HEPA filter. Collect in containers and seal securely. For waste disposal, see section 13.

Environmental precautions: No specific precautions.

Notification procedures: None

7 HANDLING AND STORAGE

Handling: Used as intended, this product is not expected to generate potentially hazardous quantities of dust. Avoid contact with molten material. Use work methods which minimise dust production. Avoid inhalation of dust and contact with skin and eyes. Keep the workplace clean.

Storage: Store in a cool, dry place. Store away from incompatible materials.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values:

Chemical name	Source	Type	Workplace exposure limits	Notes
Carbon black	EH40/2005	STEL	7 mg/m ³	
Carbon black	EH40/2005	TWA	3.5 mg/m ³	
Titanium dioxide (Inhalable)	EH40/2005	TWA	10 mg/m ³	
Titanium dioxide (Respirable.)	EH40/2005	TWA	4 mg/m ³	

Engineering controls: Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of dust.

Respiratory protection: During dust-raising work or inhalation of hot/molten material: In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter. Use respiratory equipment with particle filter, type P1. In case of inadequate ventilation or when the product is heated, use suitable respiratory equipment with gas filter (type A2). Seek advice from supervisor on the company's respiratory protection standards. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye protection: Wear dust-resistant safety goggles where there is danger of eye contact.

Hand protection: When material is heated, wear gloves to protect against thermal burns. Suitable gloves can be recommended by the glove supplier.

Skin protection: Wear appropriate clothing to prevent repeated or prolonged skin contact. Thermally protective, chemical resistant apron and long sleeves are recommended when volume of hot material is significant.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls: Environmental manager must be informed of all major spillages.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid, Nonwoven

Colour: Various

Odour: Odourless

Odour threshold: Not applicable

pH: Not applicable

Melting point: No data available.
Freezing point: Not applicable
Boiling Point: Not applicable
Relative density: Not applicable
Vapour pressure: Not applicable
Vapour density (air=1): Not applicable
Evaporation rate: No data available.
Solubility in water: Not applicable
Solubility (other): No data available.
Partition coefficient (n-octanol/water): No data available.
Viscosity: Not applicable
Volatile organic compounds (VOC): <1.5 ppm_m
Flash point: Not applicable
Autoignition temperature: Not applicable
Flammability limit - lower(%): Not applicable
Flammability limit - upper (%): Not applicable

10	STABILITY AND REACTIVITY
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Stability: Material is stable under normal conditions.

Conditions to avoid: Avoid dust formation.

Incompatible materials: Strong oxidising agents. Strong acids. Strong bases.

Hazardous decomposition products:

At elevated temperatures:	Aldehydes, Carbon oxides, Hydrocarbons, Nitrogen oxides, Smoke, Sulfur oxides
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Possibility of hazardous reactions: Will not occur.

11	TOXICOLOGICAL INFORMATION
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Inhalation: No inhalation hazard under normal conditions. Dust released from the material can enter the body by inhalation or ingestion. High concentrations of dust may irritate throat and respiratory system and cause coughing. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Eye contact: Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate the eyes.

Skin contact: Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate skin.

Ingestion: Not relevant, due to the form of the product.

Sensitisation: No data available.

Listed carcinogens: Carbon black has caused cancer in experimental animals. Inhalation of airborne titanium dioxide dust may cause cancer.

Chemical name	IARC	NTP	OSHA	ACGIH
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Titanium dioxide	2B	Not listed	Not listed	A4
Carbon black	2B	Not listed	Not listed	A4

IARC: 1 = Carcinogenic to Humans; 2A = Probably Carcinogenic to Humans; 2B = Possibly Carcinogenic to Humans; 3 = Not classifiable as to carcinogenicity to humans; 4 = Probably not carcinogenic to humans; Not listed = Not evaluated by IARC.

ACGIH: A1 = Confirmed Human Carcinogen; A2 = Suspected Human Carcinogen; A3 = Confirmed Animal Carcinogen; A4 = Not classifiable as a human carcinogen; A5 = Not suspected to be a human carcinogen; Not listed = Not evaluated by ACGIH.

Mutagenesis: No data available.

Reproductive toxicity: No data available.

Other effects: Repeated exposure to high concentrations of dust may adversely affect the lungs.

12 ECOLOGICAL INFORMATION

Ecotoxicity: The product is not expected to be hazardous to the environment.

Mobility: Not relevant, due to the form of the product.

Persistence and degradability: No data available.

Bioaccumulation potential: No data available.

Other adverse effects: None known.

13 DISPOSAL CONSIDERATIONS

General information: Dispose of waste and residues in accordance with local authority requirements.

Disposal methods: Disposal recommendations are based on material as supplied. Disposal of product packaging must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

European waste codes

Unused product: 16 03 04

14 TRANSPORT INFORMATION

ADR/RID Not regulated.

IMDG Not regulated.

IATA Not regulated.

15 REGULATORY INFORMATION

The product has not been classified as dangerous according to the legislation in force.

16**OTHER INFORMATION**

Wording of the R-phrases in sections 2 and 3: None

Inventory status: All ingredients are either listed or exempt from listing on EINECS/ELINCS.

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