

MATERIAL SAFETY DATA SHEET

Magsil 2628A

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1 IDENTIFICATION OF SUBSTANCE**1.1 Product Identifier:**

Identification on the label/ Trade name: Magsil 2628A

1.2 Relevant Identified uses of the substance and uses advised against:**1.2.1 Identified uses:**

Filler for the rubber compounding industry.

1.2.2 Uses advised against:

Not available

1.3 Details of the Supplier of the material safety data sheet:

Solvent Direct Inc. Email:support@solventdirect.com
 19129 S Hamilton Ave Phone: 301-344-4011
 Gardena, CA 90248

2 HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture:****2.1.1 Classification:**

Talc presents the same hazards as other non toxic dusts

2.1.2 The most important adverse effects:**2.1.2.1 The most important adverse physicochemical effects:**

Not applicable.

2.1.2.2 The most important adverse human health effects:

- Inhalation is the primary route of entry. Repeated and prolonged overexposure to large amounts of talc dust exceeding the occupational exposure limits might induce a mild pneumoconiosis, called talcosis. Smoking and other chronic respiratory diseases may accelerate the onset of pneumoconiotic overloading.
- The observance of current national occupational exposure limits to prevent lung overloading provides an efficient protection and is therefore recommended. Symptoms of acute accidental exposure would be non-specific and similar to those of a massive inhalation of any dust. These symptoms may include coughing, expectoration, sneezing, difficult breathing due to upper respiratory tract irritation.
- No adverse effect is observed if applied to unbroken skin. Some subjects may complain of slight skin dryness.
- Accidental direct contact with the eyes may cause, as most dusts, a temporary discomfort due to mechanical irritation.
- Talc spillage can constitute a slipping hazard.

2.1.2.3 The most important adverse environmental effects:

Not applicable.

2.2 Label Elements:**Hazard Pictograms:**

Not applicable.

Signal Word(s):

Not applicable.

Hazard Statement:

Not applicable.

Precautionary statement:

Not applicable.

2.3 Other hazards

Not available.

3 COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substance/Mixture:**

The product in question is a substance with trace minerals.

3.2 Ingredients:

Substance Name	% by weight	CAS No.	EINECS No.
Talc (Hydrous magnesium silicate)	> 95	14807-96-6	238-887-9
Chlorite	Trace	1318-59-8	215-285-9
Dolomite	Trace	16389-88-1	240-440-2
Magnesite	Trace	83897-85-2	281-193-0
Quartz	< 1.0	14808-60-7	230-878-4

Magsil Star Talcs do not contain asbestos fibres or asbestiform minerals as defined by the United States Occupational Safety and Health Administration (OSHA) and European Directive 83/477/EEC, when analysed by conventional methods. All batches of these products are tested in the UK by certified independent laboratories and no quantifiable concentrations have been detected to date.

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4 FIRST-AID MEASURES

4.1 Description of first aid measures:

4.1.1 In case of inhalation:

In case of acute overexposure, if an irritation of the upper respiratory tract develops, move subject away from source of exposure and into fresh air. Treatment should be limited to the control of symptoms: coughing, expectoration, sneezing, difficult breathing. In case of massive accidental inhalation, seek medical advice.

4.1.2 In case of skin contact:

If the subject complains of dryness of the skin, apply ordinary skin moisturisers.

Broken skin exposed to talc dust should be cleansed with mild soap and water.

Irritation is uncommon, but if it develops and persists, seek medical advice.

4.1.3 In case of eyes contact:

Direct contact can cause irritation. Wash the affected eye(s) copiously with clean water. If irritation or redness develops, seek medical assistance.

4.1.4 In case of ingestion:

No adverse effect have been observed, no specific antidote is necessary.

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

See toxicological information (section 11).

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

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

5.1.1 Suitable extinguishing media:

Non-flammable – Not explosive - no special precautions necessary.

5.1.2 Unsuitable extinguishing media:

Not applicable.

5.2 Specific Hazards arising from the substance or mixture:

Not applicable.

5.3 Advice for fire-fighters:

Non-flammable – Not explosive - no special precautions necessary.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

If the dust level exceeds the recommended occupational exposure limit, approved dust masks should be worn.

6.1.2 For emergency responders:

Not applicable.

6.2 Environmental precautions:

Not applicable.

6.3 Methods of containment and cleaning up:

Collect dry powder using a vacuum cleaner or other means where dust is not generated. It is not recommended to wash the floor with water since it would become extremely slippery.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid generating dust in excess of the recommended occupational limits. In case of dust dispersion in the air in excess of the authorised levels, approved dust masks should be worn. Keep all floors, work areas, stairs and handrails clean as surfaces covered with talc dust are liable to be slippery.

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7.1.1 Protective measures:

A dust mask will be adequate for smaller quantities and/or intermittent use.

7.1.2 Advice on general occupational hygiene:

Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities:

Powders should be stored in a dry covered area, avoid generation of dust.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Not available.

8.2 Exposure controls:

8.2.1 Individual protection measures:

Eye/face protection:

If necessary, safety goggles should be worn to prevent eye contact with large quantities of airborne dust. Eyewash should be available.

Hand protection:

Gloves should be worn if susceptible to skin irritation or dryness.

Body protection:

Overalls may help workers becoming excessively dirty.

Respiratory protection:

Approved dust masks should be worn to prevent overexposure in case the dust level exceeds the authorised limits. Ensure that all occupational exposure standards are observed.

8.2.2 Exposure Limits

OES (Occupational Exposure Standard) for respirable talc dust - 1.0 mg/m³ in a TWA 8hr reference period.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:		White powder
Physical state:		Powder
Colour:		White
Odour:		Odourless
pH:		9.0 – 10% suspension of talc in water.
Melting point/range (°C):		>1300
Boiling point/range (°C):		Not applicable.
Flash point (°C):		Not applicable.
Evaporation rate:		Not applicable.
Flammability (solid,gas):		Not applicable.
Ignition temperature (°C):		Not applicable.
Upper/lower flammability/explosive limits:		Not applicable.
Vapour pressure:	@ 20°C	Not applicable.
Vapour density:		Not applicable.
Relative Density (g cm ⁻³):	@ 20°C	2.58 – 2.83
Solubility:		In water: < 0.1%
Auto-ignition temperature (°C):		Not applicable.
Decomposition temperature (°C):		Not applicable.
Viscosity (mm ² s ⁻¹ , cSt):	@ 25°C	Not applicable.

10 STABILITY AND REACTIVITY

10.1 Reactivity:

Non-reactive.

10.2 Chemical stability:

Stable and non-reactive under normal conditions.

10.3 Possibility of hazardous reactions:

None.

10.4 Conditions to avoid:

None.

10.5 Incompatible materials:

None.

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10.6 Hazardous decomposition products:

None.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

No acute toxic effect has been observed; as indicated in the IARC (International Agency for Research on Cancer) monograph on talc: "no acute mortality was observed in several species of animals following administration of high doses of talc by ingestion, inhalation or intratracheal, intrapleural, intraperitoneal or subcutaneous injection."

The IARC working group also evaluated the biological effects of talc and concluded, from the reviewed in vivo and in vitro studies, that there was inadequate evidence for the carcinogenicity or genotoxicity of talc to humans or experimental animal

Recent toxicity tests on sister chromatid exchanges (SCEs) and on unscheduled DNA synthesis (UDS) show that talc does not induce the enhancement of UDS or SCEs in treated cell cultures.

No teratological effect was observed in hamsters, rats, mice or rabbits following oral administration of talc.

Talc is not classified as a dangerous substance by the European Community.

Talc is not listed as a carcinogen by NTP (US National Toxicological Programme) and not regulated as a carcinogen by OSHA (US Occupational Safety and Health Agency).

Acute toxicity:

LD50 (Oral): Not available.

LD50 (Dermal): Not available.

Skin corrosion/irritation:

Not available.

Serious eye damage/irritation:

Not available.

Respiratory or skin sensitization:

Not available.

Germ cell mutagenicity:

Not available.

Carcinogenicity:

Not available.

Reproductive toxicity:

Not available.

STOT- single exposure:

Not available.

STOT- repeated exposure:

Not available.

Aspiration hazard:

Not available.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

No Known environmental effects.

12.2 Persistence and degradability:

Non-biodegradable. Persistent.

12.3 Bioaccumulative potential:

No bio-accumulation or bio-magnification identified.

12.4 Mobility:

Solid. Involatile. Insoluble in water.

12.5 Other adverse effects:

Trials carried out on the acute toxicity of talc suspended in water (LD50), have showed that talc had no adverse effect on fish: no effect was shown in spite of a very high concentration of 100 g/l i.e. 100000 times the dose considered as toxic.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Talc can be disposed of as non-toxic/inactive materials in approved landfill sites in accordance with local regulations. Return large quantities to manufacturer.

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13.2 Product/ Packaging disposal:

Not available.

14 TRANSPORT INFORMATION

14.1 General:

Talc is not classified as dangerous for transportation under EU or UK national regulations. No special precautions are required.

14.2 UN-no:

Not applicable.

14.3 Transport hazard class(es)

14.3.1 RID/ADR:

Not applicable.

14.3.2 IMO:

Not applicable.

14.3.3 IATA/ICAO:

Not applicable.

15 REGULATORY INFORMATION

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

Talc is not classified as dangerous to supply under EU or UK national regulations.

Occupational Exposure Standards: 1 mg/m³ respirable dust in an 8hr TWA reference period.

15.2 Chemical safety assessment:

Chemical safety assessments for substances in this mixture were not carried out.

DISCLAIMER: All information and instructions provided in these Safe Handling Instructions (SHI) are based on the current state of scientific and technical knowledge at the date indicated on the present SHI. IRIS Lab Solutions shall not be held responsible for any defect in the product covered by this SHI, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.