

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

Printing date: 22.05.18

Revision: 0 / 24.10.2014

Page 1 / 7

1. Identification of the product and of the company / undertaking

Trade name: TRIMFIX® Fleece Flap 1FOR2

Use of the product: Abrasive material for mechanical industry

Supplier: **Gerd Eisenblätter GmbH**

Jeschkenstraße 12d
82538 Geretsried
Phone: + 49 (0) 8171 / 9082 - 010

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2. Composition / Information on ingredients

Material is composed of abrasive powders supported on a structure of plastic or cotton or polyester tissue binded by a polymeric binder.

Abrasive material

Matrix	Substance	Hazard symbol	Hazard classification	RTECS	CAS-No.	EC-No.	Conc. (%)**
Abrasive powders	Corundum * (Al ₂ O ₃)	---	---	BD1200000	1344-28-1	215-691-6	100 %
		TSCA 8(b) inventory		Listed			
	Silicon carbide (SiC)	---	---	VW0450000	409-21-2	206-991-8	
		TSCA 8(b) inventory		Listed			

*: Corundum is a natural form of aluminium oxide; it contains small impurities of iron, magnesium and silica

** : any differences on abrasive powder composition (Conc. (%)) does not modify hazard classification of material according to reference Regulation

Structural support

Matrix	Structural component	Risk symbol	Classification
Support	Plastic tissue	---	---
	Cotton / polyester tissue	---	---
Binder	Inert polymeric binder film	---	---

3. Hazards identification

Classification

The product is classified not hazardous according to Regulation (EC) No. 1272/2008.

Hazards to human

No relevant hazards to human.

Hazards to the environment

No relevant hazards to the environment.

Physical or chemical hazards

No relevant physical or chemical hazards.

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

Trade Name: **TRIMFIX® Fleece Flap 1FOR2**

Page 2 / 7

4. First aid measures

Preamble:	Following statements must be taken as base-rules concerning abrasive materials and has to be completed according to safety data sheets of processed materials and process cooling liquid used.
Inhalation:	Supply fresh air; consult doctor in case of complaints.
Skin contact:	Remove contaminated clothes. Immediately wash with water and soap and rinse thoroughly.
Eye contact:	Rinse opened eye for several minutes under running water and seek immediate medical advice, showing this MSDS.
Ingestion:	No negative effects in case of swallowing. Drink water and seek immediate medical advice, showing this MSDS.
General information:	In case of eyes and skin contact, give priority to eyes first aid measures.

5. Fire-fighting measures

Suitable extinguishing agents

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment

Ordinary protective equipment in case of fire-fighting.

Special risks

None.

6. Accidental release measures

Person-related safety precautions

Not applicable to the article.

Measures for environmental protection

Not applicable to the article.

Measures for cleaning / collecting

Not applicable to the article.

7. Handling and storage

Handling

Avoid direct contact using recommended handling safety equipment (see § 8).
According to normal use conditions, product does not contain volatile components.

Storage

Keep in cool, dry, ventilated storage in closed original containers.
Do not drinking or eating near the storage place.

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

Trade Name: **TRIMFIX® Fleece Flap 1FOR2**

Page 3 / 7

8. Exposure controls / personal protection

8.1. Control parameters

Risk scenario

Any risk concerning the use in mechanical industry.

Experimental toxicological data are not available concerning specific exposure scenarios.

Hazard classification of this product was done according to Reg. EC 1272/2008/EC and other available information.

Information about design of technical facilities

Ensure good ventilation / exhaust at the workplace. Safety washing water must be available for skin and eyes.

Exposure limit values

Substance	OSHA 2014 TWA (mg / m ³)		ACGIH 2014 TWA (mg / m ³)	
	Total	Respirable fraction	Inhalable fraction	Respirable fraction
Silicon Carbide	15	5	10	3
Corundum (Al ₂ O ₃)	15	5	---	---
Particles not otherwise classified	10 mg/m ³ inhalable fraction (TWA 8 h, ACGIH 2014) 3 mg/m ³ respirable fraction (TWA 8 h, ACGIH 2014)			

8.2. Exposure controls

8.2.1. Individual protection measures

8.2.1.1. Respiratory protection:

In case of brief exposure use respiratory filter device.

8.2.1.2. Hand protection:

Protective gloves for chemical products, according to standard EN374; materials for long contact time.

8.2.1.3. Eye protection:

Safety goggles or face shield.

8.2.1.4. Hearing protection:

Use hearing protection.

8.2.1.5. Skin protection:

Use protective clothes and protective shoes.

Other information

Abrasive materials used are inert and cannot cause risks when correctly stored and managed. During use on machineries, they request safety precautions for workers. The most part of powder particles comes from the processed material and eventually from the cooling liquid. Consequently attention and safety precautionary measures on vapours and dusts environmental removing must be applied.

Follow the local Safety Management standards and instructions.

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

Trade Name: **TRIMFIX® Fleece Flap 1FOR2**

Page 4 / 7

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: solid abrasive material

Odour: odourless

pH: n. a.

Melting point: n. a.

Boiling point: n. a.

Flash point: n. a.

Vapour pressure: n. a.

Water solubility at 20°C: n. a.

Partition coefficient
(n-octanol / water): n. a.

Volatile organic chemicals
(VOC): No volatile chemicals (VOC) are present at detectable level

10. Stability and reactivity

10.1. Stability

Stable in normal handling and storage conditions.

10.2. Conditions / Materials to avoid

Keep away from strong oxidizers and electrostatic charges.

10.3. Hazardous decomposition products

After overheating and drying, thermal decomposition at temperatures > 250°C can produce dangerous vapours as carbon dioxide, carbon oxide and nitrogen oxides.

11. Toxicological information

Material is inert on structural matrix. Data are referring to used abrasive components.

Carcinogenic effects

n. a.

Mutagenic effects

n. a.

Acute toxicity

Al₂O₃ (Corundum): > 5000 mg/Kg - DL50, oral rat (IUCLID Data Sheet, European Chemical Bureau)
SiC (Silicon Carbide): no available data.

Chronic toxicity

n. a.

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

Trade Name: **TRIMFIX® Fleece Flap 1FOR2**

Page 5 / 7

Skin

Mechanical irritating effects.

Inhalation

Irritating (superior respiratory system). Powders produced during use can cause respiratory irritating effects.

Eyes

Mechanical irritating effects: symptoms can be irritating, reddening, damages of corneal surface, tearing. Powders produced during use can cause eyes irritating effects.

Other negative effects

Other risks can be caused depending on the abrasion process material used.

12. Ecological information

12.1. Ecological Toxicity

Al₂O₃ (Corundum):

> 100 mg/l – 96 h, salmo trutta (long time acute toxicity)

> 100 mg/l – 48 h, daphnia magna (long time acute toxicity)

SiC (Silicon carbide): no available data

12.2. Biopersistence

n. a.

12.3. Biodegradability

n. a.

12.4. Mobility

n. a.

12.5. Potential of bioaccumulation

n. a.

13. Disposal considerations

Disposal recommendation

Recovery if possible.

Waste and uncleaned packages must be disposed of in accordance with state and local environmental regulations.

14. Transport information

Transport classification and regulation

ONU number: n. a.

ADR/RID: not regulated (road and railway)

ICAO/IATA: not regulated (air transport)

IMDG/IMO: not regulated (maritime transport)

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

Trade Name: **TRIMFIX® Fleece Flap 1FOR2**

Page 6 / 7

15. Regulatory information

GHS Hazard labeling symbols	None
UE Hazard labeling symbols	None
U.S.A. OSHA labeling symbols	None
CANADA WHIMIS labeling symbols	None
GHS hazard statement	None
UE hazard statements	None
U.S.A OSHA hazard statements	None
CANADA WHIMIS hazard statements	None

Precautionary statements (Dir. EC 67/548)

S22	Do not breathe dust.
S39	Wear eye / face protection

Precautionary statements (Dir. EC 1272/2008)

P260	Do not breathe dust
P280	Wear protective gloves / eye / face protection

Other regulation references

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act Chemical Substance Inventory (see section 3) Reg. EC 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives EC 67/548 and EC 1999/45, and amending Reg. EC 1907/2006 (Reach).

Product does not contain detectable amounts of:

- substances classified carcinogenic cat. I or cat. 2
- substances included in the ECHA Candidate list of SVHC
- substances included in the Reach annex 14 (authorization)
- No restriction are applicable according to UE Reach Regulation (Annex 17 and following amendments)

16. Other information

GHS Hazard statements (full text)

None

Further information and references

Information are updated to:

GHS "Globally Harmonized System of Classification and Labelling of Chemicals United Nations, 1st Revised Edition 2005"

ANSI Z400.1/Z129.1-2010 Hazard Evaluation and Safety Data Sheet and Precautionary Labeling Preparation Hazard Communication Standard 29 CFR 1910

Reg. EC 1272/2008 and following amendments

NIOSH: Registry of toxic effects of chemical substances

ACGIH: American Conference of Governmental Industrial Hygienists, 2014

When applicable, according to Reg. 1907/2006/EC - chapter II, all substances used in this preparation where registered.

Product is according to Reg. 1907/2006/EC – title II requirements (registration substances)

Dir. EC 42/2006 (machineries directive): not applicable.

Dir. EC 65/2011 (Rohs 2): not applicable

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

Trade Name: **TRIMFIX® Fleece Flap 1FOR2**

Page 7 / 7

LD50	Average letal dose
TLV – TWA	Threshold Limit Value - Time Weighted Average
STEL	Short Term Exposure Limit
OES	Occupational Exposure Standard
REACH	Registration, Evaluation, Autorisation of Chemicals
ECHA	European Chemical Agency
RTECS	Registry of Toxic Effects of Chemical Substances (U.S.A.)
OSHA	Occupational Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health
ACGIH	American Conference of Governmental Industrial Hygienists
TSCA	Toxic Substances Control Act
WHMIS	Workplace Hazardous Materials Information System (Canada)
OSHA	Occupational Safety and Health Administration
n.a.	not applicable / not available

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.