einfach besser dämmen

Safety Data Sheet SAGLAN / PIPELANE

1. Product name and manufacturer's address		
Product name	SAGLAN PIPELANE	Fibre-glass wool (in the following document reference to the name SAGLAN also applies to PIPELANE)
Manufacturer	SAGER AG Dämmstoffe Leutwilerstrasse 281 CH-5724 Dürrenäsch Tel.: +41 (0)62 767 87 87 Fax.: +41 (0)62 767 87 80 e-mail: info@sager.ch Homepage: www.sager.ch	

Application fields	Thermal and acoustic insulation of rooms, buildings, heating installations and appliances if the insulation is not exposed to weather.

2. Composition, component information	
Technical characteristics	SAGLAN mineral wool consists of mineral fibres with a glasslike structure with a low addition of mineral oils, with or without addition of duroplastic artificial resins and bonding agents, if necessary with lamination, dispersion adhesive and hydrophobing agents.

Component	Content [%]	Index-Nr. in Annex 1 of directive 67/548/EEC	Classification according to EU directive 67/548	Exposure limits
Glass wool With up to 50% recycling glass Individual glass components: SiO_2 CaO MgO Na_2O K_2O Al_2O_3 Fe_2O_3 B_2O_3 $CaO+MgO+Na_2O+K_2O$	90 – 100 60 - 65 > 18	650-016-00-2	Released according to guideline 97/69/EG attachment Q	No TBC (1) since it is released, but the MAC value (2) applies to the general dust load: 15 mg/m3 breathable fraction and 6 mg/m3 alveolar fraction
Organic portion (bonding agent phenolic resin)	0 - 10	-	-	-

(1) TBC value: technical benchmark concentration. (2) MAC value: maximum allowable concentration

Coatings	Glass fibre fleece, Kraft paper, aluminium, PE fleece and their combinations.

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3. Possible hazards
Xi: Irritant R 36/37/38 Short description of hazards: Irritation of skin, eyes and mucous membranes may occur during processing.
Dust may form during the processing of SAGLAN. (WHO regulation). The SAGLAN dust is highly bio-soluble and meets the criteria b) of the EU guideline 97/69/EQ attachment Q. **SAGLAN is classified as a non-carcinogenic product.**

4. First-Aid measures	
Information about the possible risks.	
After inhalation of dusts	supply of fresh air, rinse mouth and nose with clear water to remove the dust.
Skin contact (irritation)	Wash with warm water and soap. Consult a physician if allergies occur.
Eye contact	Rinse eyes as well as surrounding body parts with clear warm water. **Do not rub into eyes by all means!** Consult a physician in case of other problems and complaints.
Swallowing	No special measures.

5. Fire protection measures	
Uncoated products	Are not subject to any fire protection regulations
Coated products	Fire fighting water, dust, foam, CO_2, dry extinguishing agent

6. Measures for inadvertent release	
Individual precautionary measures	Good ventilation. In case of substantial dust formation, apply a protective device pursuant to § 8.
Environmental protection	Irrelevant (no environmental hazard)

7. Storage and handling	
Handling	
Technical measures	No special measures.

Precautionary measures	No special measures.
Application recommendations	No special measures.
Storage	Use in well-ventilated and dry rooms. Do not stir up dust with air or brooms. Ensure proper ventilation of the workplace.

8. Restriction of personnel exposure	
MAC value	6mg/m^3
Technical measures	To cut SAGLAN, use slow-running, non-toothed, wave cut sharp blades or water jet cutting.
Personal protective equipment	
Respiratory protection	Protect respiratory organs with a suitable breathing mask.
Hand protection	We recommend wearing protective gloves.
Eye protection	We recommend wearing protective goggles.
Skin protection	We recommend wearing protective clothing.
Hygienic measures	Wash skin thoroughly with water and soap after contact with glass-fibre wool products, use a protective skin cream in case of sensitive skin.

9. Properties of mineral glass-fibre wool	
Physical state	Solid
Shape	SAGLAN is a largely homogeneous glass-fibre wool in slab or roll shape.
Fibre strength	4 – 8 um
Colour	Yellow
Odour	Low-odour
PH	Slightly alkaline (warm & cold pH 7 – 8 in H_2O)
Melting temperature	Approx. 1000° C.
Boiling point	Not applicable
Point of inflammation	Incombustible or flame retardant
Water solubility	Non-soluble.
Volume weight	Variable depending on products between 10 – 110 kg/m$^{3.}$

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10. Stability and reactivity	
Stability	Up to 250 °C depending on the product.
Thermal decomposition	Thermal decomposition temperature of the binding agent approx. 250 ° C. Vapours containing phenol or formaldehyde may occur at this temperature. (LGA- UOG 9860112).
Hazardous reactions	None.

11. Toxic information	
Acute toxicity	None (LD 50/LC50 value).
Sensitizing	None.
Irritation and corrosion	Coarser fibres may cause temporary irritation of skin, conjunctiva or mucous membranes.
Long-time effects	None.
	Mineral wool (non-biopersistent fibres or geom. diameter >6 um) as well as products thereof (inasmuch as these release fibres during use or processing) must contain notices (e.g. pictograms) to prevent excess dust exposition.

12. Ecologic information
No risk to the environment.

13. Disposal information	
Recommendation	The product can be put in landfills in accordance with the provisions on waste disposal (e.g. household waste or construction waste landfill). This applies to the product as well as the packaging. Intact product can be reinstalled.
Disposal Key Nr.	17 06 04 „Insulation material with exception of those falling under 17 06 01 and 17 06 03“
Waste description	Mineral wool waste
Recommendation to disposal of packaging	-

14. Transport information	
International regulations	Not available.
The product should be stored and transported protected against humidity.	

15. Regulations

According to the "EU guideline 97/69/EG attachment Q", the EU commission of December 1997, and the "253rd Ordinance of the Federal Minister of Economics and Labour regarding limits for working materials and carcinogenic working materials (exposure limits regulation 2001 – GKV 2001)", revised in June 2003, mineral wool products will not be classified as carcinogenic if it can be demonstrated that the material meets one of the prerequisites listed in the following:

a) verification with a short-term inhalation biopersistence test that the weighted half life of fibres with a length of more than 20 µm is less than ten days,
a) verification with a short-term intratracheal biopersistence test that the weighted half life of fibres with a length of more than 20 µm is less than forty days,
c) no indication of excessive carcinogenity with the conduct of a suitable interperitonial tests or
d) absence of relevant pathogenicity or of neoplastic changes with a suitable long-term inhalation test.

SAGLAN mineral wool products have met the requirements listed in b). This is scientific proof that they are not classified in the carcinogenic category and that protective measures during production and processing are not imperative.

Within the scope of a conference in Lyon in October of 2001, independent experts of the IARC (international cancer research agency), a division of the World Health Organization (WHO), have changed the classification of all mineral wools, which has been in existence since 1987, from "Possibly carcinogenic (2B)" to "No classification (3)".

The results of numerous comprehensive studies and animal tests carried out since 1987 regarding health risks in the handling of glass wool, rock wool and slag wool, even those not meeting the requirements of the EU guideline, have thus been taken into account.
The classification by the IARC does not have a direct influence on the classification in the EU for the time being, but it confirms and increases the trust of those processing and consuming the products which are examined and released according to the guideline 97/69/EG attachment Q and shows that the handling of second-hand materials does not present a risk.

Regardless of that, it is applicable here that every unnecessary development of dust should be avoided, sufficient ventilation of the workplaces is required, and the use of suitable work clothing, of gloves and protective goggles and dust masks, where appropriate, is meaningful for short-term increased dust loads.

16. Other information

The above information is non-binding and cannot be used to derive additional legal claims. The recommendations only refer to the stated product and do not include any quality guarantees. The purchaser must ensure that this information is also displayed at the workplace.