

EU-group safety data sheet according to Directive 91/155/EEC

ULTIMATE mineral wool products

Date of issue: 2005-03-15

Revised on: 2005-03-11

1 Identification of the substance/preparation and of the company		
1.1	Trade name:	ULTIMATE mineral wool products
1.2	Details about the manufacturer	
1.2.1	Company address:	SAINT-GOBAIN ISOVER G+H AG Bürgermeister-Grünzweig-Straße 1 D - 67059 Ludwigshafen/Rhein http://www.isover.de
1.2.2	Telefon: +49 (0)800 501 5 501	1.2.3 Telefax: +49 (0)800 501 6 501
1.2.4	Information bureau: ISOVER Dialog Email: Dialog@isover.de	1.2.5 Emergency: +49 (0)621 501-0
2 Composition/information on ingredients		
2.1	Chemical characterisation	
2.1.1	Description:	Processed mineral wool containing some mineral oil, with or without duromer plastic and adhesive agents; possibly with lamination, dispersion binder, water proofing, inorganic coating, desiccation on wire mesh.
2.1.2	Dangerous components	None
2.1.3	CAS No./further identification numbers (EINECS No./ELINCS No./EC No.):	650-016-00-2 (Index-No. according to Annex I of Directive 67/548/EEC
2.1.4	Identification letter of the danger symbol	-
2.1.5	R phrases:	-
2.1.6	Additional information:	
3 Hazard identification		
3.1	Designation of the hazard:	-
3.2	Information on special risks for man and environment:	
		-
4 First aid measures		
4.1	General notes:	
		-
4.2	Following inhalation:	
		-
4.3	Following skin contact:	
		-
4.4	Following eye contact:	Treat particles which have penetrated the eye like any other foreign body, do not rub, rinse thoroughly with water, and consult a physician if necessary
4.5	After swallowing:	
		-
4.6	Information for the physician:	
		-
5 Fire fighting measures		
5.1	Suitable extinguishing media:	Water and all standard extinguishing media
5.2	Unsuitable extinguishing media for safety reasons:	
		-
5.3	Special exposure hazards arising from combustion or decomposition products:	
		-
5.4	Special protective equipment for fire fighting:	
5.5	Additional notes:	
		-
6 Accidental release measures		
6.1	Personal precaution:	
		-
6.2	Environmental precaution:	
		-

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6.3	Methods for cleaning up:	-
6.4	Additional notes:	-
7 Handling and storage		
7.1	Handling	
7.1.1	Directions for safe handling:	<p>ULTIMATE-mineral wool products are exempted from the prohibition of trade according to No. 23 of the Annex to §1 of the German Chemicals Prohibition Ordinance.</p> <p>ULTIMATE-mineral wool products are exempted from the prohibition of use according to § 18 par.1 and Annex IV No. 22.</p> <p>It is recommendable to observe the following general rules of occupational hygiene:</p> <ul style="list-style-type: none"> - limit pollution of the workplace (e.g. by cautious handling of products and wastes) - wear loose, long-sleeved clothing and suitable gloves - use protective cremes/lotions in case of sensitive skin - wear goggles for overhead work or in very dusty conditions - use face masks in case of sensitive upper respiratory tract - wash off dust after work - minimise dust
7.1.2	Fire and explosion-proof protection	-
7.2	Storage	
7.2.1	Requirements for storage rooms and containers:	-
7.2.2	Directions for combined storage:	-
7.2.3	Further details about storage conditions:	Unpack ULTIMATE-mineral wool products only before use.
7.3	Storage class	Not classified.
8 Exposure controls/personal protection		
8.1	Additional notes concerning the design of technical installations:	-
8.2	Constituents with workplace-related limit values to be monitored	
8.2.1	Type of limit value:	General limit value for dust, alveolar fraction: 3 mg/m ³
8.2.2	CAS No., chemical designation:	-
8.3	Personal safety equipment	See section 7.1.1
9 Physical and chemical properties		
9.1	Appearance	
9.1.1	Physical state:	Solid
9.1.2	Colour:	White or yellow
9.1.3	Odour:	-
9.2	Safety data	
9.2.1	pH-value:	Not applicable
9.2.2	Melting point/melting range:	above 1000 °C for ULTIMATE-mineral wool products.
9.2.3-9.2.7	Ignition point/Inflammability/Ignition temperature/Auto-ignition/Fire stimulating properties	non-inflammable respectively flame-resistant according to DIN 4102
9.2.8	Explosion hazard:	-
9.2.9	Explosibility limit:	-
9.2.10	Steam pressure:	at 25 °C below 10 ⁻³ mbar
9.2.11	Apparent density:	15 – 100 kg/m ³
9.2.12	Water solubility:	at 25 °C below 10 ⁻³ g/l.
9.2.13	Liposolubility:	-

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9.2.14	Distribution coefficient n-Octanol/water (log POW):	Not applicable
9.2.15	Concentration of solvent:	does not contain any solvents
9.2.16	Solvent separation test:	Not applicable
9.2.17	Dynamic viscosity:	At 25 °C above 10 ¹⁰ Pa.s.
9.2.18	Further details:	-
10 Stability and reactivity		
10.1	Conditions to avoid:	Limit temperatures for individual applications are given in the technical data sheets.
10.2	Materials to avoid:	-
10.3	Hazardous decomposition products:	None (according to DIN 53 436)
10.4	Further details:	Formation of smells during first heating above approx. 150°C possible.
11 Toxicological information		
11.1	Toxicological tests	
11.1.1	Acute toxicity (LD 50/LC 50 values):	-
11.1.2	Specific symptoms in the animal experiment:	-
11.1.3	Sensibilisation:	-
11.1.4	Irritating and etching effect:	See 11.2.2
11.1.5	Effects following reiterative or long-lasting exposure (subacute toxicity):	-
11.1.6	Carcinogenic, genotype-changing effects and those adverse to reproduction:	None. Fibres are exonerated according to the German ordinance on hazardous substances (Annex IV No. 22) and EU-Directive 97/69/EC (Nota Q).
11.2	Practical experience	
11.2.1	Classification-relevant observations	-
11.2.2	Further observations:	Due to thicker fibres mechanical effects on skin, eyes and upper respiratory system like itching may occur. These are reversible temporary symptoms as they may occur with any non-fibrous dusts. Appropriate clothing protects (see section 7.1.1). Effects imposed by chemical sensibilisation do not occur. Not irritant according to OECD-Guideline No. 404. Practical experience, that handling of mineral wool products causes significant inflammation of the skin, has not been gathered.
11.3	General notes:	-
12 Ecological information		
12.1	Information concerning the elimination (persistence and degradability):	-
12.2	Behaviour in environmental compartments:	-
12.3	Ecotoxicity (aquatic toxicity, behaviour in clarification plants, respiratory impediment of local activated sludge):	-
12.4	Further ecological data	
12.4.1	CSB-value:	-
12.4.2	BSB-value:	-
12.4.3	AOX-value:	-
12.4.4	Heavy metals/compounds processed in accordance with EC directive 76/464:	-
12.4.5	General notes:	-

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13 Disposal considerations		
13.1	Product	
13.1.1	Recommendation:	Disposal of waste on rubble and domestic waste disposals.
13.1.2	Key No. For waste:	17 06 04 "insulation materials other than those mentioned in 17 06 01 and 17 06 03"
13.1.3	Designation of waste:	Mineral wool waste
13.2	Uncleaned packings	
13.2.1	Recommendation:	In Germany: Disposal through Interseroh AG (Contract No. 25029). For the person to be contacted, see attachment.
13.3	Recommended detergents:	-
14 Transport information		
14.1	Overland transport	
14.1.1	ADR/RID and GGVS/GGVE-class:	Not classified.
14.1.2	Warning panel:	-
14.1.3	Designation of goods:	ULTIMATE-mineral wool products
14.1.4	Notes:	-
14.2	Inland water carriage	
14.2.1	ADN/ADNR-class:	Not classified.
14.2.2	Category	-
14.2.3	Designation of goods:	ULTIMATE-mineral wool products
14.2.4	Notes:	-
14.3	Oversea shipment	
14.3.1	IMDG/GGVSEE-class/ UN-No./PG/EMS/MFAG:	Not classified.
14.3.2	Marine pollutant:	-
14.3.3	Correct technical term:	Not determined.
14.3.4	Notes:	-
14.4	Air transportation	
14.4.1	ICAO/IATA-class/ UN/ID-No./PG:	Not classified.
14.4.2	Correct technical term:	Not determined.
14.5	Transport/further details:	-
15 Regulatory information		
15.1	Identification letter of the danger symbol /Hazard identification:	Products (with only few exceptions) have generally not to be classified according to the German ordinance on hazardous substances and to the respective EU-Directives. This also applies for ULTIMATE mineral wool products.
15.1.1	R-phrases:	-
15.1.2	S phrases:	-
15.1.3	Special labelling of certain preparations:	-
15.2	National regulations	
15.2.1	Information on employment restrictions:	-
15.2.2	Regulation in the event of an abnormal occurrence:	Not applicable.
15.2.3	Classification in accordance with VbF [Regulation on combustible liquids]:	Not classified.
15.2.4	Technical directions for the prevention of air pollution:	Not applicable.
15.2.5	Water hazard class:	ULTIMATE mineral wool products are not water hazardous (former WGK 0) according to item 2.2.2 of the "Verwaltungsvorschrift wassergefährdende Stoffe"

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15.2.6 Other regulations, restrictions and prohibitions:

16 Other information

16.1 Further Information:

Changes of the last version of 2004-03-19: chapter 1; 7.1.1; 11.1.6

The Quality Label Association ("Gütegemeinschaft Mineralwolle e. V.") has awarded the RAL-Label "Mineral wool products" to ULTIMATE mineral wool products, which is printed on the packages. This quality label is only awarded to those fibre types, whose maintaining of the exoneration criteria laid down in Annex IV No. 22 the German ordinance on hazardous substances and in the Directive 97/69/EC (Nota Q) is secured by a regular internal and external control.

Guidance "Handling of Mineral Wool (Glass Wool, Stone Wool)", date of issue: 05/2002 (in German).

These data are based on our current knowledge at the date of issue and are supposed to describe ULTIMATE mineral wool products with regard to safety requirements. They are not meant to guaranty with a legally binding effect certain properties.