



Taita Chemical Co.,LTD.

Material Safety Data Sheet

TAITA FIBER GLASS INSULATION

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name : Fiber Glass Wool Insulation
Product Use/ Restriction : Insulation
Manufacturer Name: Taita Chemical Co.,LTD.
Address : 12th Floor, No. 39, Ji-Hu Road Nei-Hu Dist., Taipei, Taiwan, R.O.C
Phone Number : (886 2) 2798-3290
Website : www.ttc.com.tw/

SECTION 2 – COMPOSITION / INFORMATION / ON INGREDIENTS

CAS #	Chemical Name	Ingredient Percent
N / A	Cured Binder	0-15 by weight
65997-17-3	Fiber Glass Wool	85-100 by weight
Non- Hazardous Statement :	The remaining components of this product are non-hazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.	

SECTION 3 – HAZARDS IDENTIFICATION

Heat -Up Precautions :	During initial heat-up of high temperature insulation products to temperatures above 350 ^o F, an acrid odor and smoke may be given off. Adequate ventilation should be provided to protect against harmful fumes. In confined spaces, occupants should wear self-contained breathing apparatus during this period.
Emergency Overview :	Exposure to dust may be irritating to eyes, nose, and throat.
Route of Exposure :	Eye contact Skin contact Inhalation
Potential Health Effects :	
Eye :	May cause slight irritation.
Skin :	May cause slight skin irritation.
Inhalation :	May cause irritation of respiratory tract.
Ingestion :	Ingestion of this product is unlikely.



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Chronic Health Effects :	There is no known chronic health effect connected with long-term use or contact with this product.
Aggravation of Pre-Existing Conditions :	Chronic respiratory or skin conditions may temporarily worsen from exposure to this product.

SECTION 4 – FIRST AID MEASURES

FIRST AID**

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Do not rub or scratch eyes. If eye irritation persists, consult a specialist.
Skin:	Wash off immediately with soap and cold water. DO NOT use warm water because this will open up the pores of the skin, which will cause further penetration of the fibers. DO NOT rub or scratch affected areas. Remove contaminated clothing. Never use compressed air to remove fibers from the kin. If irritation persists get medical attention.
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
Ingestion:	Product is not intended to be ingested. If this does occur, rinse mouth with water and drink water to remove fibers from the throat. If symptoms persist, call a physician.

Personal Protection**

Eye Protection:	Safety glasses, goggles or face shields should be worn when materials are being handles or applied.
Gloves :	Gloves are recommended.
Special Clothing:	Long-sleeved, loose fitting clothing and head covering are recommended. Wash work clothes separately from other clothing to prevent glass fiber migration. Rinse washer thoroughly.
Respirator :	A disposable mask such as 3M model 9900 or its equivalent is recommended.



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Work Place Ventilation:	If sufficient natural ventilation is not available, use mechanical ventilation to assure exposures to airborne dust remain below the recommended levels.
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SECTION 5 – FIRE FIGHTING MEASURES	
Flammable Properties :	Non flammable.
Flash Point :	None.
Flash Point method :	N/A
Flammable Limit :	N/A
Extinguishing Media :	Use water Fog, foam, dry chemical, or carbon dioxide(CO ₂).
Protective Equipment:	Wear self-contained breathing apparatus (SCBA) and protective clothing. Dense smoke may limit visibility in enclosed areas
Hazardous Combustion by Products:	Carbon monoxide, Carbon dioxide, Ammonia, Other undetermined compounds could be released in small quantities.

SECTION 6 – ACCIDENTAL RELEASE MEASURES	
Personnel Precautions :	Avoid contact with skin and eyes.
Methods for cleanup :	Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and fiber contamination. Do not dry sweeping or use compressed air for clean-up.

SECTION 7 – HANDLING AND STORAGE	
Handling :	Use protective equipment as described in Section 8 of this MSDS when handling uncontained material.
Storage :	Keep product in its packaging until use to minimize dust generation. Product should be kept dry and undercover.
Hygiene Practices :	Wash hands before breaks and immediately after handling the product.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION	
Engineering Controls :	Provide local exhaust and /or general ventilation to maintain exposure below regulatory and recommended limits. Dust collection system must be used in transferring operations, cutting or machining or other dust generating processes, such as using power tools. Vacuum or wet clean-up methods should be used.
Eye/Face Protection :	Safety glasses with side – shields are recommended to keep dust out of



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	the eyes.			
Skin Protection Description :	Protective gloves. Long sleeves shirt and long pants.			
Respiratory Protection :	When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators. A properly fitted NIOSH approved disposable N95 type dust respirator or better is recommended.			
Other protective :	When the temperature of the surface being insulated exceeds 250°F (121 °C), including initial startup, the binder in these products may undergo various degrees of decomposition depending on the temperature in the application. The need for respiratory protection will vary according to the airborne concentration of the decomposition products released and accumulated in the area. Wear the appropriate respiratory protection according to the conditions and exposure levels in the area.			
General Hygiene Considerations :	Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.			
Exposure Guidelines				
Ingredient	Guideline OSHA	Guideline ACGIH	Ontario Canada	Mexico
Fiber Glass (Wool)	PEL-TWA : 1f/cc (Respirable)	TLV-TWA : 1f/cc (Respirable)	TWAEV-TWA : 0.05 mg/m ³ or 1f/cc STEL:0.6 mg/m ³	TWA : 0.15 mg/m ³

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES	
Appearance :	Gold, yellow, fibrous blanket, board.
Odor :	Organic
Boiling Point :	No data
Melting Point :	No data
Specific Gravity :	Variable
Solubility(H ₂ O) :	Insoluble in water
Vapor Density :	No data
Vapor Pressure :	No data
Evaporation Rate :	No data
PH :	No data



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Viscosity :	N/A
Flash Point :	None
Flash Point Method :	N/A

SECTION 10 – CHEMICAL STABILITY & REACTIVITY INFORMATION	
Chemical Stability :	Stable under normal conditions.
Hazardous Polymerization:	Hazardous polymerization does not occur.
Decomposition Products :	See section 5 of MSDS for hazardous decomposition products during a fire.

SECTION 11 – TOXICOLOGICAL INFORMATION	
Chronic:	<p>In October 2001, the International Agency for Research on Cancer (IARC) classified fiber glass wool as Group 3, “ not classifiable as to its carcinogenicity to humans” . The 2001 decision was based on human studies and animal research that have not shown an association between inhalation exposure to dust from fiber glass wool and the development of respiratory disease. This classification replaces the IARC finding in 1987 of a Group B designation “ possibly carcinogenic to humans.”</p> <p>In May 1997, the American Conference of Governmental Industrial Hygienists (ACGIH) adopted an A3 carcinogen classification for glass wool fibers. The ACGIH A3 classification considers glass wool to be carcinogenic in experimental animals at relatively high doses, by routes of administration, at sites, or by mechanisms that it does not consider relevant to worker exposure. It also reviewed the available epidemiological studies and concluded that they do not confirm an increased risk of cancer in exposed humans. Overall, the ACGIH found that the available medical / scientific evidence suggests that glass wool is not likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.</p> <p>In 1994, the National Toxicology Program (NTP) classified glass wool (respirable size) as ‘ reasonably anticipated to be a human carcinogen’ . This classification was primarily based upon the 1987 IARC classification. NTP is currently considering reclassifying this material.</p>

SECTION 12 – ECOLOGICAL INFORMATION



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Ecotoxicity :	This material is not expected to cause harm to animals, plants or fish.
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SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal :	Dispose of accordance with local, Federal and Provincial regulations.
Contaminated packaging :	Empty containers should be taken for local recycling, recovery or waste disposal.
RCRA number :	No EPA Waste Numbers are applicable for this product's components.
RCRA Characteristics :	This material is not expected to be a characteristic hazardous waste under RCRA.

SECTION 14 – TRANSPORTATION INFORMATION

Shipping Name :	This product is not classified as a hazardous material for transport.
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SECTION 15 – REGULATORY INFORMATION

SARA	This product does not contain any chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III (40CFR, Part 372)
CA PROP 65 :	The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986(Proposition 65) : WARNING! This product contains a chemical known to the State of California to cause cancer.
Canada WHMIS :	Not controlled. (WHMIS) : workplace hazardous materials information system)

SECTION 16 – OTHER INFORMATION

MSDS Creation Date :	1 st Aug. 2008
MSDS Revision Date :	1 st Sep. 2011
MSDS Prepared by :	Name : Taita Chemical Co., Ltd. Address : 12 th Floor, No.39, Ji-Hu Road Nei-Hu Dist., Taipei, Taiwan, R.O.C Tel : 886 37 627700 Web : www.ttc.com.tw/