

1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Name: ICP 510, ICP 520, ICP 530,
ICP 550, ICP 560, ICP 570, ICP 580, ICP 590/590F.

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Company:

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Supplier:

Use:

Fiberglass fabrics, Texturized fiberglass fabrics, rope, tape, sleeves and other textiles.

2 – HAZARDS IDENTIFICATION

CONTAINS RESPIRABLE FIBRES. CAN CAUSE SKIN IRRITATION". GRADE 405 HAS NO FIBRE CONTENT

3 - COMPOSITION / INFORMATION ON INGREDIENTS

Primary Routes of Exposure Inhalation and skin contact

Health Hazards (acute & chronic effects and symptoms of overexposure)

Acute

Inhalation-Inhalation of dusts and fibers may result in irritation of the upper respiratory tract (mouth, nose and throat.)

Skin Contact-Skin contact with fibers and dust may produce temporary mechanical irritations.

Ingestion- Temporary mechanical irritations of the digestive tract. Observe individual. If symptoms develop, consult a physician.

Chronic

See carcinogenicity section below. There is no known health effects associated with chronic exposure to this product.

Carcinogenicity

Hazardous Ingredients ACGIH IARC NTP OSHA

Fiberglass continuous filament No No No No

*IARC-In June 1987 the International Agency for research on Cancer(IARC)categorized fibrous continuous filaments as not classifiable with respect to human carcinogenicity(Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiberglass continuous filaments as a possible, probable, of confirmed cancer causing material.

Medical Conditions Aggravated by Exposure Persons with a history of chronic respiratory or skin conditions that are aggravated by mechanical irritants may be at increased risk for worsening their condition from exposure during use of this product.

4 – FIRST AID MEASURES

Inhalation Move individual to fresh air. Seek medical attention if irritation persists.

Skin Contact Wash with mild soap and running water. Use a washcloth to help remove fibers. To avoid further irritation, do not rub or scratch irritated areas. Rubbing or scratching may force fibers into the skin. Seek medical attention if irritation persists.

Eye Contact Flush eyes with flowing water for at less 15 minutes. Seek medical attention if irritation persists.

Ingestion N/A

5 – FIRE-FIGHTING MEASURES

Flash Point (°F) N/A

Auto Ignition Temperature(°F) N/A

Flammability Limits (%) LEL: N/A UEL: N/A

Extinguishing Media Water, foam, carbon dioxide, dry chemical

Special Fire Fighting Instructions In sustained fire, self-contained breathing apparatus should be worn.

6 – ACCIDENTAL RELEASE MEASURES

Action To Take For Spills For sold product no applicable. For dusts and fibers generated during fabrication, vacuum up and containerize.

7 – HANDLING AND STORAGE

Ventilation General dilution ventilation and /or local exhaust ventilation should be provided, as necessary, to maintain exposures below PEL'S or TLV'S. ADEQUATE VENTILATION MUS BE PROVIDED AT ELEVATED TEMPERATURE.

Respiratory Protection A properly fitted NIOSH/MHSA approved dust respirator such as 3M model 8710 or model 9900(In high humidity environment)or equivalent should be used when: high dust levels are encountered; the level of glass fibers in the air exceeds the OSHA permissible exposure limits; or if irritation occurs. Use respiratory protection in accordance with your company's respiratory protection program and OSHA regulations under 29 CFR 1910.134.

Eye Protection Safety glasses, goggles or face shields should be worn whenever fiberglass materials are handled.

Work/Hygienic Practices Handle in accordance with good industrial hygiene and safety practices.

*Avoid unnecessary exposure to dusts and fibers.

*Remove fibers from skin after exposure.

*Be careful not to bur or scratch irritated areas. Rubbing or scratching may force the fibers into the skin. The fibers should be washed off. Use of barrier creams can, in some instances, be helpful.

*Use vacuum equipment to remove fibers and dusts from clothing. COMPRESSED AIR SHOULD NEVER BE USED. Always wash work cloths separately and wipe out the washer/sink in order to prevent loose glass fibers from getting in other clothing.

*Keep work area clean of any dust and fibers. Avoid sweeping or using compressed air as these techniques re-suspend dusts and fibers into air.

*Have access to safety showers and eye wash fountains.

*For professional use only. KEEP OUT OF CHILDRED'S REACH

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS	CHEMICAL	MEL/OES LIMITS
	EXONERATED	
	MINERAL FIBRE	5 mg/m ³ inhalable 2 f/ml Airborne Fibre Limit (MEL)
	Ball clay/ quartz	0.3 mg/m ³ total (MEL)

ENGINEERING MEASURES : FIT AND USE APPROVED EXTRACTION SYSTEMS. LOCAL-VENTILATION FOR MACHINING AREAS. IF DUST LEVELS ARE LIKELY TO EXCEED ACTION LIMITS, APPROVED RESPIRATORS MUST BE USED.

PERSONAL PROTECTIVE: RESPIRATORY PROTECTION.
 HAND PROTECTION - GLOVES CAN BE USED IF DESIRED. BARRIER CREAM CAN BE USED.
 EYE PROTECTION - USE APPROVED EYE PROTECTION WHILST MACHINING.
 SKIN PROTECTION - NOT APPLICABLE, HOWEVER TO AID PERSONAL HYGIENE SUITABLE OVERALLS CAN BE WORN

9 – PHYSICAL AND CHEMICAL PROPERTIES

Melting Point(Softening) 800°	Boiling Point °C N/A
Specific Gravity (Bare Glass) 2.59	Percent Volatile N/A
Vapor Pressure (mm/Hg) N/A	Vapor Density (Air=1) N/A
Evaporative Rate (Ethy1 Ether=1) N/A	Solubility in Water Not Soluble
Appearance and Odor White/Off-white/tan colored solid with no odor	
PH N/A	

10 – STABILITY AND REACTIVITY

Stability (Conditions to Avoid) Product is stable

Incompatibility (Materials to Avoid) None known

Hazardous Decomposition Products Sizing or binders may decompose in a fire. Primary decomposition products include carbon monoxide, carbon dioxide, other hydrocarbons and water.

Hazardous Polymerization Will not occur.

To the best of our knowledge, the information contained herein is accurate. The information provided is based upon data furnish by FIREWHEEL. Assume liability whatsoever for the accuracy or completeness of the information contained herein. While believed to be reliable, the information of products is intended for use by skilled persons at their own risk. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that those are the only hazards that exist.

11 – TOXICOLOGICAL INFORMATION

Epidemiology: This product has not been the subject of epidemiological study. Epidemiological studies related to other fiber chemistries of similar solubility have not identified a statistically significant incidence of exposure-related respiratory disease.

Toxicology: A review of available scientific literature suggests an inverse relationship between dissolution rate and potential health effects; i.e. the higher the dissolution rate of a fiber the lower its potential to produce health effects.

This product possesses a fiber chemistry within the regulatory (European Commission Directive 97/69/EC) definition as a “man-made vitreous (silicate) fiber with random orientation with alkaline oxide and alkaline earth oxide (Na₂O + K₂O + CaO + MgO + BaO) content greater than 18% by weight”.

Other information: As per 29 CFR 1900.1200 (Hazard Communication), this product is an inert material which doesn't interact chemically with exposed skin. However, there is a possibility that exposure to this product may cause temporary mechanical irritation to the eyes, skin or respiratory tract (nose, throat, lungs). This temporary irritation can be mitigated with proper handling practices designed to limit exposure and the use of protective clothing (glasses, gloves, clothing).

12 – ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

Mobility: Solid. Insoluble in water.

Degradability: Nonbiodegradable

Accumulation: Not determined

Ecotoxicity: Not determined

13 – DISPOSAL CONSIDERATIONS

To prevent waste materials from becoming airborne during waste storage, transportation and disposal, a covered container or plastic bagging is recommended. I

ICP MCV BIO LT is not classified as a hazardous waste according to Federal regulations (40 CFR 261). Any processing, use, alteration or chemical additions to the product, as purchased, may alter the disposal requirements. Under Federal regulations, it is the waste generator's responsibility to properly characterize a waste material, to determine if it is a "hazardous" waste. Check local, regional, state or provincial regulations to identify all applicable disposal requirements.

Waste from this product is not classified as "hazardous" or "special" under European Union regulations. Disposal is permitted at landfills licensed for industrial waste

14 – TRANSPORT INFORMATION

TDG:	Nonhazardous, not regulated
IMDG:	Nonhazardous, not regulated
IATA/ICAO:	Nonhazardous, not regulated
ADR/RID:	Nonhazardous, not regulated

15 – REGULATORY INFORMATION

<u>European Classification:</u>	None
<u>R - Phrase(s):</u>	None
<u>S-Phrase(s):</u>	None
<u>Name of the substances on the label:</u>	None
<u>Other information:</u>	None

16- OTHER INFORMATION

US EPA SARA TITLE III

312 Hazards

Immediate
Delayed

313 Chemicals:

none

Hazardous Materials Identification System (HMIS)

4= Severe Hazard
3= Serious Hazard
2= Moderate Hazard
1= Slight Hazard
0= Minimal Hazard
c = See Section 8

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
Personal Protection	*

Risk phrases in section 3: None

Changes to the MSDS in this revision: -

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.