



MATERIAL SAFETY DATA SHEET

PHILMIX G501 – HIGH RANGE, WATER REDUCING & SET RETARDING

CHEMICAL PRODUCTS / IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Product Name : **PHILMIX G501**
Product Description : **High Range, Water Reducing & Set Retarding ASTM TYPE G**
Chemical Family : Aqueous Polymer Dispersion

COMPOSITION / INFORMATION ON INGREDIENTS

| Component (s) | CAS No. | Proportion |
|--|------------|-------------------------|
| Na Lignosulphonate | 16828-12-9 | 20 – 40 % |
| PPC Blend | 111-42-2 | 05 – 15 % |
| Other raw materials determined not to be hazardous | | <u>Balance</u> 100 % |

HAZARDS IDENTIFICATION

Potential Acute Health Effects

Inhalation : Inhalation of product may cause respiratory problems upon prolonged exposure
Ingestion : Contains material that may slightly toxic and irritating to the digestive tract. Ingestion may result in abdominal irritation pain and vomiting.
Skin Contact : Contains polymer materials that may cause skin irritation, skin dryness, for prolonged exposure especially with wet concrete
Eye contact : May cause eye irritation.

FIRST AID MEASURES

Inhalation : Move person to fresh air and well - ventilated area.
Skin contact : Remove and dispose contaminated clothing to prevent further skin contact.
Eye contact : Flush with plenty of water, get medical attention immediately.
Ingestion : If swallowed, get immediate medical attention. If the person is conscious, drink plenty of water.

FIRE FIGHTING MEASURES

Extinguishing Agent : Material is not combustible, Non Flammable
Special Hazard : None
Sensitivity to static charge : None

HANDLING AND STORAGE

Room Storage : Should be in dry and cool place
Shelf Life : 12 months from the date of production

EXPOSURE CONTROL / PERSONAL PROTECTION

Technical Measures : N/A
Personal Protection : Wear dust mask, safety glasses and gloves

| Material | TWA mg/m ³ | Steel mg/m ³ | Carcinogen Category | Notices |
|---------------|--------------------------|----------------------------|---------------------|---------|
| Na Ligno / PC | 0.05 | ---- | ---- | ---- |
| Water | | ---- | ---- | ---- |

PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Amber brown Liquid
Color : Brown
Odor : None
Solubility : Miscible (20°C)

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Chemical & Building Solutions

STABILITY AND REACTIVITY

| | | |
|----------------------------------|---|---|
| Stability | : | Stable under normal storage conditions. Not sensitive to mechanical impact. |
| Hazardous Reaction | : | Gives off hydrogen by reaction with metals. |
| Materials to avoid | : | acids, ammonium salts, and phosphorous |
| Hazardous Decomposition Products | : | Decomposes in sulphur dioxide. |
| Thermal Decomposition | : | This product is thermally stable. No decomposition if stored and applied as directed. |

TOXICOLOGICAL INFORMATION

| | | |
|--|---|-----|
| • Oral rat LD50 | : | N/D |
| • Inhalation rat LC50 | : | N/D |
| • Skin rat LD50 | : | N/D |
| • Acute Toxicity (irritation, sensation, etc.) | : | N/D |
| • Delayed or chronic toxicological effect | : | |

ECOLOGICAL INFORMATION

| | | |
|-------------|---|----------------------------------|
| Ecotoxicity | : | Non-toxic (water- based product) |
|-------------|---|----------------------------------|

DISPOSAL CONSIDERATIONS

Recommendation:

It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. Local Regulations may differ from area disposal regulations. Dispose of waste material according to local and provincial environmental regulations.

Recommendation: Disposal must be made according to local regulations.

TRANSPORT INFORMATION

Product is not classified as dangerous materials in any Transport Regulation

ROAD TRANSPORT ADR/RID

| | | |
|-----------------|---|------|
| • Class | : | N/As |
| • Number/Letter | : | N/As |
| • Warning Sign | : | N/As |
| • Hazard No. | : | N/As |
| • UN No. | : | N/As |

MARITIME /AIR TRANSPORT IMDG

| | | |
|------------------|---|------|
| • PG | : | N/As |
| • Class | : | N/As |
| • IMDG Code Page | : | N/As |

REGULATORY INFORMATION

| | | |
|----------------|---|---------------|
| Classification | : | Non-hazardous |
| Hazard Labels | : | None Required |

OTHER INFORMATION

PHILMIX G501- is a single component water based liquid system.

This MSDS comprises the health and safety hazard information of the product. Each user should read this MSDS and consider the data information of how to safely handle and use the work area. For further queries, clarifications the user should contact the company. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or made as to its accuracy, reliability or completeness.

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