

SAFETY DATA SHEET

ACTIVAL S-211

Revision date : 2017/09/18
Version: 1.0

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SECTION 1: IDENTIFICATION

Product Identifier use on the label

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Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Product Use: Pre-disperse performance additive for rubber gloves and other latex dipped products.

Details of the supplier of the safety data sheet

Company : INOOVA MATERIAL SCIENSE SDN BHD,
No. 116 (A), Jalan Zapin 3A/KU5, Bandar Bukit Raja, 41050 Klang, Selangor.

Emergency Telephone : +603 3341 5314

Other means of identification Chemical family: Colorant

SECTION 2: HAZARDS IDENTIFICATION

GHS/CLP Classification:

Physical:
Not Classified

Health:
Not Classified

Environmental
Not Classified

GHS/CLP Label:



Statements of Hazard

May be corrosive to metals
May cause an allergic skin reaction
Causes mild skin irritation.
Causes eye irritation.
May cause long lasting harmful effects to aquatic life.

Prevention

Wear protective gloves/protective clothing/eye protection/face protection.
Store in corrosive resistant container with a resistant inner liner

EU Substance Classification This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008 and in Directive 67/548/EEC.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Blend of minerals, biocide and dispersion agent.

Refer to section 16 for further information on EU and GHS/CLP Classification.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

Gross Inhalation: No first aid should be needed. No adverse effects expected on the respiratory system.

Skin Contact: No first aid should be needed since dermal contact with this product does not affect the skin. Wash contaminated skin thoroughly after handling.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists or for imbedded foreign body, get immediate medical attention.

Ingestion: rinse mouth. Do NOT induce vomiting. If large amounts are swallowed, get immediate medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

May cause eye irritation with redness and tearing.

Indication of immediate medical attention and Special Treatment Needed

None required.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media: Compatible with all extinguishing media. Use media that is appropriate for the surrounding fire.

Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards: None.

Hazardous Combustion Products: None.

Special Protective Actions for Fire-Fighters

Special Fire Fighting Procedures: None. Firefighters should always wear self-contained breathing apparatus for fires indoors or in confined areas.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear appropriate protective equipment.

Environmental Precautions

Report spills and releases as required to appropriate authorities. Do not discharge into drains, water courses or onto the ground.

Methods and Material for Containment and Cleaning Up

In case of spills, beware of slippery floors and surfaces. Cordon off for road and pedestrian traffic. Use absorbent material, ie sand, sawdust to soak up the slurry. Wear protective equipment to sweep and collect the absorbed slurry material into containers for reclaiming or disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Store material should be agitated before use to prevent settlement.
Empty containers must be handled in accordance with the provisions of this Safety Data Sheet.
Do not eat, drink and smoke in work areas: wash hand after use.
Train employees in accordance with applicable regulations.

Conditions for Safe Storage, Including any Incompatibilities

Store under fully covered warehouse and avoid direct sunlight. Under extreme cold climate, store in heated warehouse to maintain temperatures between 15°C and 35°C.

Specific end use(s): as performance additive for latex compound.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Definitions:

MSHA means Mine Safety and Health Administration
NIOSH means U.S. National Institute for Occupational Safety and Health.
REL means NIOSH Recommended Exposure Limit.
TLV means American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value.
TWA means time-weighted average.

PEL – 5 mg/m³ TWA (respirable fraction), 15 mg/m³ (total dust) as Particulates not Otherwise Regulated
TLV – None established
MSHA – 10 mg/m³ TWA as Nuisance Particulates

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Exposure Controls:

Ventilation: Use local exhaust as required to maintain exposures below applicable occupational exposure limits.

Respiratory Protection: When effective engineering controls are not feasible, or while they are being implemented, use appropriate respiratory protection for respirable particulates based on consideration of airborne workplace concentrations and duration of exposure arising from intended end use. Refer to the most recent government and local standards for compliant respiratory protective equipment.

Gloves: Protective gloves recommended. Wash hands following any exposure.

Eye Protection: Safety glasses or goggles recommended.

Other Protective Equipment/Clothing: As appropriate for the work environment. Dusty clothing should be laundered before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance and Odor: Ivory slurry and light earthy odor.

pH (100g/l water at 20°C): 9 - 11

Boiling Point: 212°F / 100°C

Melting Point: 2012°F / 1100°C

Solubility in Water: Negligible

Percent Volatile: Slight

Autoignition Temp: Will not burn

Relative Density: 1.35 - 1.45

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Evaporation Rate: Not applicable

Flash Point (Method Used): Not applicable

Flammable Limits: LEL: Not applicable

UEL: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity : Not reactive under normal conditions of storage and use.

Chemical Stability : Stable between temperatures 15°C to 35°C subject to normal conditions of storage and use.

Possibility of Hazardous Reactions : None known

Conditions to Avoid : None known

Incompatible Materials : None known

Hazardous Decomposition Products : None known

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SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Potential Health Effects:

Inhalation : No adverse effects expected.
Skin Contact : No adverse effects expected.
Eye Contact : Contact may cause mechanical irritation and possible injury.
Ingestion : No adverse effects expected for normal, incidental ingestion.

Chronic Health Effects: Prolonged overexposure to any nuisance dust from dries product may cause lung injury. Symptoms include cough, shortness of breath, and reduced pulmonary function.

Medical Conditions Aggravated by Exposure: Individuals with respiratory disease, including but not limited to asthma and bronchitis, or subject to eye irritation, should be excluded from exposure to nuisance dust.

Signs and Symptoms of Exposure: Overexposure to nuisance dusts may cause mucous membrane and respiratory irritation, cough, sore throat, nasal congestion, sneezing, and shortness of breath.

Acute Toxicity Values	: No acute toxicity data is available for this product.
Skin Sensitization	: Not a skin sensitizer in animals or humans.
Repeated Dose Toxicity	: No specific data is available
Carcinogenicity	: No toxicity data is available
Developmental / Reproductive Toxicity	: No specific data is available
Genetic Toxicity	: No specific data is available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	: No ecotoxicity data is available.
Persistence and Degradability	: Not degradable, but not hazardous to the environment.
Bioaccumulative Potential	: Not expected to bioaccumulate.
Mobility in Soil	: Not applicable.
Results of PBT and vPvB Assessment	: None required.
Other Adverse Effects	: None known

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Silicates is not classified as a hazardous waste. If uncontaminated, dispose as an inert, non-metallic clay. If contaminated, dispose in accordance with all applicable local regulations in light of the contamination present. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

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SECTION 14: TRANSPORT INFORMATION

Not regulated for transportation under IATA/ICAO, IMDG, US DOT, EU ADR, or Canadian TDG Regulations.
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: None

SECTION 15: REGULATORY INFORMATION

Japan METI: All of the components of this product are existing chemical substances as defined in the Chemical Substance Control Law.

Australian Inventory of Chemical Substances: All of the components of this product are listed on the AICS inventory or exempt from notification requirements.

Australian National Occupational Health & Safety Commission Status: Not classified as hazardous according to the criteria of Australian National Occupational Health & Safety Commission.

Korea: All of the components of this product are listed on the ECL inventory or exempt from notification requirements.

Philippines: All of the components of this product are listed on the PICCS inventory or exempt from notification requirements.

Chemical Safety Assessment: Not required under REACH

REACH Status: This substance is exempt from REACH registration.

16: OTHER INFORMATION

EU and GHS/CLP Classes and Risk Phrases for Reference (See Section 2 and 3)

This product should be handled with care to avoid dust generation.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information set forth herein is based on technical data that LYTECH MINOVA believes reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside the control of LYTECH MINOVA, no warranties, expressed or implied, are made and no liability is assumed in connection with any use of this information. Any use of these data and information must be determined by the user to be in accordance with local laws and regulations.
