

SAFETY DATA SHEET (SDS)

1. Identification of the substance/preparation and of the company/undertaking

(a) Product Name	LSC Putty Filler
(b) Product Use	Water based filler
(c) Company	LSC Chemical & Paints Sdn. Bhd, No. 39, Jalan Bestari 2/KU7, Kawasan Perindustrian Kapar Bestari, 42200 Kapar, Selangor, Selangor Darul Ehsan, Malaysia..
(e) Telephone	+ 603-3292 8816
(f) Emel	lsc_cp@hotmail.com

2. Hazards Identification

Substance/Mixture	Mixture
Hazard Classification	Not Classified as hazardous
Pictogram	Not Classified as hazardous
Signal Word	Not Classified as hazardous
Hazard Statements	Not Classified as hazardous
Precautionary Statements	Not Classified as hazardous
Others hazard which do not result in classification but contribute to overall hazards	None Known

3. Composition/Information On Ingredients

Chemical Name	CAS No.	Percentage
Limestone	1317-65-3	80-90%

4. First Aid Measures

<i>(a) Description of first aid measures</i>	
Inhalation	In all cases of doubt, or when symptoms persist, seek medical attention Move person to fresh air area. Get medical attention.
Eye contact	Avoid contact with direct sunlight or UV-light Irrigate copiously with fresh water for at least 10 minutes (holding eyelids apart). Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.
Skin contact	Remove contaminated clothing Wash skin thoroughly with soap and cold water or use recognized skin cleanser. Avoid contact with direct sunlight or UV-light DO NOT clean the skin with solvent.
Ingestion	Get medical attention immediately Do not induce vomiting.

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5. Fire-Fighting Measures

Suitable extinguishing media	Water, alcohol-resistant foam, carbon dioxide, dry chemical
Unsuitable extinguishing media	None known
Specific firefighting procedures	Remove undamaged containers from fire area if it is safe to do so. Use extinguishing media that is suitable to local circumstances and surrounding environment.
Special person protection equipment for firefighters	NIOSH-approved self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Specific hazards arising from firefighting	Exposure to combustion products may be a hazard to health
Thermal decomposition products	Oxides of carbon. This product is non flammable.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedure	Use recommended personal protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
Measure for cleaning/collecting	Wipe or soak with inert liquid binding material (sand, sawdust, etc.). Scrape away cured material. Dispose the spilt material according to local or national regulations. Section 13 of this safety data sheet provides information regarding certain local or national requirements.
Additional information	Prevent spillage from entering drainage/sewer systems. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

7. Handling And Storage

Handling	Ensure good ventilation during use. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using the product.
Storage	Ensure containers and cartridges are tightly closed. Store in a dry, well-ventilated area, and protected from direct sunlight with temperature not exceeding 30°C. Keep away from incompatibles. Refer to section 10 for incompatible materials.

8. Exposure controls/Personal Protection

Components	CAS NO.	Form of Exposure	Control Parameter	Basis
Limestone	1317-62-3	8 hours TWA (Particulate Matter containing no asbestos and < 1% crystalline silica)	10 mg/m ³	Malaysia OSHA
Engineering Controls	Product curing may form hazardous compounds. Ensure adequate ventilation and minimise workplace exposure concentrations.			

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Industrial hygiene	Remove immediately all contaminated clothing. Do not inhale vapour. Wash hands and contaminated areas with water and soap before leaving the work site. Change clothing before leaving workplace and wash before reuse. Do not eat, drink, or smoke while using product.
Hand Protection	Suitable impervious protective gloves (latex, nitrile, etc.). Breakthrough time is not tested for this product. Change gloves often if possible.
Respiratory Protection	A NIOSH-approved respirator with filter for organic vapour is recommended where local ventilation is not adequate.
Eye/Face protection	Protective goggles/safety glasses.

9. Physical And Chemical Properties

Appearance	Paste
Odour	Mild Odour
Odour Threshold	Not Determined
pH	8-11
Freezing/Melting Point	Not Determined
Boiling Point Range	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	Not Applicable
Flammability	Not Classified As Flammable
Explosives Properties	Not Classified As Explosive
Oxidizing Properties	Not Classified As Oxidizing
Vapour Pressure	Not Applicable
Vapour Density	Not Applicable
Relative Density	1.81 – 1.83
Solubility In Water	Soluble In Water
N-octanol/Water partition coefficient	Not Determined
Decomposition Temperature	Not Determined
Viscosity	Not Applicable

10. Stability And Reactivity

(a) Reactivity	No reactive hazards known
(b) Stability	Stable under recommended handling and storage conditions
(c) Conditions to avoid	None Known
(d) Hazardous Reaction	During normal storage, hazardous decomposition will not occur. At higher temperatures, decomposition products depends on the temperature, air supply and presence of other materials. Irritant gas and vapours will be produced.
(e) Hazardous decomposition products	None Known
(f) Incompatible Materials	Strong oxidizing agents

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11. Toxicology Information

No specific oral, inhalation or dermal toxicology data is known for this product. Any toxicological data included in this section is based on the data associated with the components	
Acute oral toxicity, LD50 (rat): Not classified based on available information and/or concentration of components	
Limestone	> 2,000 mg/kg
Acute dermal toxicity, LD50 (rabbit): Not classified based on available information and/or concentration of components.	
Acute inhalation toxicity, LC50 (6 hours, rat): Not classified based on available information and/or concentration of components.	
Serious eye damage/eye irritation Not classified based on available information and/or concentration of components.	
Limestone	Not eye irritant
Skin corrosion/skin irritation: Not classified based on available information and/or concentration of components.	
Limestone	Not Skin irritant
Respiratory/Skin sensitisation: Not classified based on available information and/or concentration of components.	
Limestone	Not sensitizing on skin

12. Ecological Information

Individual components of this mixture have been independently tested by the raw material suppliers and any known results have been presented below. The results for the individual components may not be representative of the ecological toxicity of this finished product. This finished product has not been tested to determine individual toxicological/ecological limits.	
Ecology toxicity: No adverse effect on aquatic organisms is predicted based on available information and/or concentration of components.	
Limestone	
Toxicity to fish	Exposure for 96 hours, LC50: >100 mg/L
Toxicity to crustacean	Exposure for 48 hours, EC50: >100 mg/L
Toxicity to algae or other aquatic plants	Exposure for 72 hours, EC50: >14 mg/L
Persistence and degradability	
Bioaccumulative Potential	No Data Available
Mobility In Soil	No Data Available

13. Disposal Information

Waste treatment/disposal methods – unused products	Waste disposal must be in compliance with environmental protection requirements and local regulations.
Waste treatment/disposal methods – contaminated packaging	Dispose of as unused product. Empty container should be taken to an approved waste handling site for recycling or disposal.

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14. Transport Information

Road Transport (UNRTDG)	Not regulated as dangerous goods.
UN Number	Not applicable
Proper Shipping Name	Not applicable
Technical Name	Not applicable
Hazard Class	Not applicable
Classification Code	Not applicable
Packing Group	Not applicable

Marine Transport (IMDG)	Not regulated as dangerous goods.
UN Number	Not applicable
Proper Shipping Name	Not applicable
Technical Name	Not applicable
Hazard Class	Not applicable EmS: Not applicable
Packing Group	Not applicable
Marine Pollutant	Not applicable

Air Transport (IATA)	Not regulated as dangerous goods.
UN Number	Not applicable
Proper Shipping Name	Not applicable
Technical Name	Not applicable
Hazard Name	Not applicable
Packing Group	Not applicable

15. Regulatory Information

Safety, health, and environmental regulations specific for the hazardous chemical in question:
Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2010 (Malaysia)

Occupational Safety and Health (Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 (Malaysia)
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (European Union)

Occupational Safety and Health Administration (OSHA) (2006) Air Contaminants. 29 CFR 1910.1000 (United States of America)

Work Health and Safety Act 2011 (Australia)

EH40/2005 Workplace exposure limits (United Kingdom)

Chemicals Inventory Status:

Canada DSL/NDSL	All ingredients listed exempt
China IECSC	All ingredients listed exempt.
Japan ENCS	All ingredients listed exempt.
Korea KECI	All ingredients listed exempt.
Philippines PICCS	All ingredients listed exempt.
United States TCSA	All ingredients listed exempt.

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16. Other Information

Definitions:

TWA	Time-weighted Average
STEL	Short-term Exposure Level
OSHA	Occupational Safe and Health Act
WEL	Workplace Exposure Limits
LD50	The minimum dose required for lethal effects in 50% of a given population of test specimens
Ppm	Part per million
Bw	Body Weight
NIOSH	National Institute for Occupational Safety and Health
UNRTDG	United Nations Recommendations on the Transport of Dangerous Goods
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
AICS	Australian Inventory of Chemical Substances
DSL	Domestic Substance List
NDSL	Non-domestic Substances List
ECSC	Inventory of Existing Chemical Substances in China
ENCS	Existing and New Chemical Substances
KECI	Korea Existing Chemicals Inventory
PICCS	Philippines Inventory of Chemicals and Chemical Substance
TSCA	Toxic Substances Control Act

All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist. The details contained herein are based on our present state of knowledge and experience in characterizing our product with regard to any possible safety requirement at the data of its publication. We do, however, pass them on without any warranty or property assurances.