

SAFETY DATA SHEET (SDS)

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

(a) Product Identifier	LSC U.V SHIELD
(b) Other means of identification	LSC U.V Shield Packaging: Metal tin: ± 1 litre / ± 5 litre / ± 18 litre.
(c) Recommended use and restrictions on use	For formulated specially for all exterior masonry surfaces to provide excellent protection and decoration. Weather Guard is highly resistant to fungus and algae growth. It provides excellent color retention, alkaline resistant, adhesion and durability. No peeling and flaking. It is also suitable to be use for interior walls.
(d) Details of the principal supplier	LSC Chemical & Paints Sdn. Bhd, No. 39, Jalan Bestari 2/KU7, Kawasan Perindustrian Kapar Bestari, 42200 Kapar, Selangor, Selangor Darul Ehsan, Malaysia. Tel.: + 603-3292 8816
(e) Email	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 statement(s)	: Not classified as hazardous
Precautionary statement(s)	: Not classified as hazardous
Other hazards which do not result in classification but contribute to overall hazards : None known	

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3. Composition/Information on Ingredients

CHEMICAL NAME	%W	CAS.NO
Acrylic Emulsion	25-40	Proprietary
Calcium Carbonate	30-40	1317-65-3
Dispersant	0.1-01	Proprietary
Titanium dioxide	04-10	13463-67-7

4. First-aid measures

<p>In case of inhalation Remove to fresh air, keep warm and at rest. Contact physician if symptom persists.</p>
<p>In case of skin contact Remove contaminated clothing. Rinse with copious amount of water and soap. Get medical advice if skin irritation or a rash occurs. Wash clothing before reuse.</p>
<p>In case of eye contact Contact lenses should be removed. Rinse with copious amount of water immediately. Seek medical advice if eye irritation develops and persists.</p>
<p>In case of ingestion DO NOT induce vomiting. Rinse mouth thoroughly with water. Get medical attention if a symptom persists.</p>
<p>Personal protection equipment for first-aiders Pay attention to any potential hazards and use recommended personal protection equipment if potential for exposure exists.</p>
<p>Most important symptoms and effects, acute and delayed None known.</p>

5. Fire-fighting measures

<p>Suitable extinguishing media Material is not combustible. Use water spray, alcohol-resistant foam, carbon dioxide, dry chemical for the surrounding fire.</p>
<p>Unsuitable extinguishing media None known.</p>
<p>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.</p>
<p>Special person protection equipment for firefighters NIOSH-approved self-contained breathing apparatus and full protective clothing must be worn in case of fire.</p>
<p>Specific hazards arising from firefighting Exposure to combustion products may be a hazard to health.</p>
<p>Thermal decomposition products Oxides of carbon.</p>

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6. Accidental release measures

<p>Personal precautions, protective equipment and emergency procedure <i>Use recommended personal protective equipment. Keep unprotected persons away. Ensure adequate ventilation.</i></p>
<p>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.</p>
<p>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.</p>

7. Handling and storage

<p>Handling <i>Ensure good ventilation during use. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using the product.</i></p>
<p>Storage <i>Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat. Keep from freezing. Store this product above 50 degrees C and below 35 degrees C.</i></p>
<p>Safe Storage Store locked up.</p>
<p>Incompatibilities None known.</p>

8. Exposure controls/personal protection

<p>Exposure Guidelines</p> <p>Component Exposure Limits <i>No Data Available.</i></p>
<p>Appropriate Engineering Controls</p> <p>Local Ventilation: Recommended General Ventilation: Recommended.</p>
<p>Individual Protection Measures, such as Personal Protective Equipment</p> <p>Eye/Face Protection Use proper protection – Safety Glasses as a minimum.</p>

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Skin and Body Protection

Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

Respiratory Protection

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

9. Physical and chemical properties

Appearance	Liquid
Odour	Mild
Colour	White
pH	7-9
Freezing/Melting Point	32 Degrees F (0 Degrees C)
Boiling Point Range	>100 Degrees C
Flash Point	>100 Degrees C
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
Specific Gravity	1.3 – 1.8
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) Chemical Stability	Stable
(b) Conditions to Avoid	None Known
(c) Possibility of Hazardous Reactions	None Known
(d) Hazardous Decomposition Products	None
(e) Incompatible Materials	None Known

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11. Toxicology information

Likely Routes of Exposure Skin Contact, Eye Contact (Ingestion is not a likely route of exposure under normal conditions of use.)
Symptoms of Exposure Allergic skin reaction, skin and eye irritation, stomach or intestinal upset
Numerical measures of toxicity No Data Available
Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure Product may be harmful if swallowed. Product may cause allergic skin reaction, skin and eye irritation
Carcinogenicity No ingredient has been characterized as a potential carcinogen by either IARC, NTP or OSHA.

12. Ecological information

Eco toxicity : No Known significant effects or critical hazards.
Persistence and Degradability : No Data Available
Bioaccumulation : No Data Available
Mobility : No Data Available
Other Adverse Effects : No Known significant effects or critical hazards

13. Disposal Information

Waste Treatment Methods
Disposal of Wastes This product is a not a hazardous waste under RCRA. Dispose of in conformance with all federal, state and local regulations.
Contaminated Packaging Dispose of as unused material

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

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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 class	: 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)

Chemical inventory status:

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

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16. Others Information

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 date of its publication. We do, however, pass them on without any warranty or property assurances.