MATERIAL SAFETY DATA SHEET
CAUSEWAY KENLUX ENAMEL PAINT
REVISION DATE: 08/06/2021

1. Product and Company Identification

Product Name and Code	:	KENLUX Enamel Paint
Supplier / Manufacturer	:	Causeway Paints Lanka (Pvt.) Ltd. 15, Noel Mendis Mawatha, Modarawila Industrial Estate, Panadura, Sri-Lanka
Telephone No.	:	038-2240040-5
Facsimile No.	:	038-2240046
Emergency Telephone No.	:	Causeway Paints Lanka (Pvt.) Ltd, Tel: 038-2240040

2. Composition / Information on Ingredients

Ingredient	CAS Number	Composition	Hazard Symbol	Risk phrases (*)
Alkyd Resin	**Confidential**	**50-40%**	**N**	**R10, R65, R51/53**
White Sprit	**8052-41-3**	**30-20%**	**Xn, N**	**R10, R65, R66 R51/53, R48/23/24/25**
Other non-toxic ingredients	**-**	**up to 100%**	**-**	**-**

* The full text of the above phrases is shown in Section 16.

3. Hazard Identification

White or Colored viscous liquid with mild solvent odor, not miscible with water.
Flammable.
Harmful by inhalation and skin contact.
Irritating to eyes and skins.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

All information concerning this product/suggestions for handling and use contained herein is provided in good faith and believed to be reliable. CAUSEWAY however makes no representation, warranty or guarantee to its accuracy, reliability or completeness.

4. First Aid Measures

General	:	In cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	:	Remove to fresh air, keep person warm and at rest. If breathing irregular or stopped, give artificial respiration by trained personnel. If unconscious, place in recovery position and seek medical advice. Give nothing by mouth.
Eye Contact	:	Check for and remove any contact lenses. Flush eyes immediately with fresh water for at least 15 minutes and keep eyelids open.
Skin Contact	:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.
Ingestion	:	If swallowed, seek medical attention immediately. Do not induce vomiting. Keep person in warm and at rest.

5. Fire Fighting Measures

Extinguishing media: Recommended : Alcohol-resistant foam, CO_2, powder, water spray
Not to be used : Water jet

Fire will produce dense black smoke. Health hazard may be caused due to exposure to decomposition products. Appropriate breathing apparatus is recommended to avoid exposure. Cool the closed containers which exposed to fire with water. Do not release runoff from fire and contaminants to enter sewers or waterways.

6. Accidental Release Measures

Personal precautions: Exclude sources of ignition and ensure area is ventilated to avoid breathing vapour or mist. Refer to Section 8 for personal protective measures.

Spill : Contain and collect spillage with non-combustible, absorbent materials e.g. earth, sand. Place In closed containers outside building and dispose of according to local regulations (See Section 13). Do not allow entering to drains or watercourses. Clean preferably with a detergent. Avoid using solvents. If drains, sewers, streams or lakes are contaminated, inform the relevant local authorities.

7. Handling and Storage

Handling : Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Areas of storage, preparation and application should be ventilated to prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used. All sources of ignition should be excluded from areas of preparation and application. All electrical equipments including torches should be protected to the appropriate standard.
Avoid skin and eye contact. Avoid inhalation of vapours and spray mists. Put on appropriate personal protective equipment. Comply with the health and safety at work laws.

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Never use pressure to empty a container; containers are not pressure vessels. Smoking, eating and drinking should be prohibited in all preparation and application areas. To dissipate static electricity during transfer, earth drums and connects to receiving container with bonding strap. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

Storage : Store in a well-ventilated, dry place away from incompatible materials, ignition sources and and direct sunlight. Keep containers tightly closed. Containers, which are opened, must be carefully resealed and kept upright to prevent leakage. No smoking and prevent unauthorized access.

8. Exposure Controls / Personal Protection

Engineering Measures

Provides adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

Exposure Limits

No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for constituent(s): as per ACGIH TLV- Threshold limit value (TLV) of the American Conference of Governmental Industrial Hygienists.

	STEL (15 minutes)		TWA (8 hours)		Note
Material	ppm	mg/m^3	ppm	mg/m^3	
White Spirit	**-**	**-**	**100**	**525**	**-**

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

Peak Limitation - A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

'Sk' Notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

(R) Suppliers Recommended Limit
(Sen) Sensitizer

(Cat.1) – Category 1 – established human carcinogen
(Cat. 2) – Category 2 – probable human carcinogen
(Cat. 3) – Category 3 – substances suspected of having carcinogenic potential

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Personal Protection

Respiratory system When concentrations exceed the exposure limits shown above, workers must wear appropriate approved respirators. Provision of other controls such as exhaust ventilation should be considered if practical.

Eyes Use safety eyewear designed to protect against splash of liquids.

Skin and Body Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres. Barrier cream may help to protect areas that are difficult to cover such as face and neck. They should however not apply once exposure has occurred.

Hands Gloves of an appropriate material should be worn during mixing and application

9. Physical and Chemical Properties

Physical State	:	Liquid
Color	:	Standard Colours (As per the Colours Card)
Vapor Pressure	:	22mmHg at 20°C
Flash Point	:	39^0C
Non-volatile	:	55%
Auto Ignition Temp	:	Not Available
Specific Gravity	:	~ 0.950-1.250 @ 25°C
Flammable Limits (%)	:	LEL: 0.5 UEL: 7.0

10. Stability and Reactivity

Stable under recommended storage and handling conditions (Section 7). When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke and oxides of nitrogen.
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to prevent strong exothermic reactions.

11. Toxicological Information

There is no data available on the preparation itself. However for the components, information is as below:

"Alkyd resin" describes a generic insoluble polymer which has no residual hazardous reactants and is not absorbed in the gastro-intestinal tract. No acute or chronic human exposure / toxicity data available. Almost always in solvent solution - the hazard is from the solvent. No significant acute toxicological data identified in literature search.

White Spirit (8052-41-3)
ORAL (LD50): Acute :> 5000 mg/kg [Rat].
Inhalation (rat) LC50: >5500 mg/m³/4h

Exposure to component solvent vapour concentrations in excess of the stated OEL may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, drowsiness, muscular weakness and in extreme cases, loss of consciousness.

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Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in drying, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

12. Ecological Information

There is no data available on the preparation itself.
Do not allow into drains or watercourses.

13. Disposal Considerations

Do not allow into drains or watercourses. Wastes and empty containers should be disposed of in accordance with local regulations.

14. Transport Information

Transport only in accordance with the following regulations

By Road and Rail	1263, PAINT 3, II, 3(Y)E	
IMDG Reference	Class/ Div	3.3
	Proper Shipping Name	PAINT
	UN No.	1263
	Ems	3-05
	Packaging Group	II
	Marine Pollutant	Yes

15. Regulatory Information

The following information is provided as a summary of the information contained in this MSDS.

Symbol (s)	(**Xn)** Harmful & (**N**) Dangerous for the environment	
Contains	Alkyd Resin, White Sprit & Nontoxic color pigments	
R. Phrases	R10	Flammable
	R65	Harmful: may cause lung damage if swallowed
	R66	Repeated exposure may cause skin dryness or cracking
	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
	R48/23/24/25	Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed

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16. Other Information

The information on this MSDS is based upon the present state of our knowledge and current laws. The product should not be used for purposes other than shown in the product data sheet without first obtaining written advice. It is always the responsibility of the user take all necessary steps to fulfill the demands set out in the local rules and legislations. The information is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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