


SAFETY DATA SHEET (SDS)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE SUPPLIER

(a) Product Identifier	LSC WOOD TONE PAINT
(b) Other means of identification	LSC Protective Paint – Wood Tone Packaging: Metal tin: 1 litre / 5 litre / 20 litre
(c) Recommended use and restrictions on use	For wood surface, interior & exterior use.
(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. HAZARD IDENTIFICATION

(a) Classification of substance/mixture and any nation or regional information	
Physical: flammable liquids – category 3.	Health: acute toxicity – category 1.
Environment: chronic hazard – category 3.	
(b) Label elements	
Hazard Pictogram	
	
Signal word : Danger	
Hazard statements	H226: Flammable liquid and vapour. H350: May cause cancer (route of exposure inhalation or dermal) H340: May cause genetic defects (route of exposure inhalation or dermal) H304: May be fatal if swallowed and enters airways. H370: Causes damage to organs (route of exposure inhalation or dermal). H317: May cause allergic skin reaction. H412: Harmful to aquatic life with long lasting effects.
Precautionary statements - prevention	P210: Keep away from heat/sparks/open flames/hot surfaces No smoking. P233: Keep container tightly closed. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ ventilating/lighting / equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P280: Wear protective gloves/protective clothing/eye protection/face protection. P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P281: Use personal protective equipment as required. P260: Do not breathe dust/fume/gas/mist/ vapours/spray. P264: Wash thoroughly after handling. P270: Do not eat, drink, or smoke when using this product. P261: Avoid breathing dust/fume/ gas/mist/vapours/spray. P272: Contaminated work clothing shall not be allowed out of the workplace P273: Avoid release to the environment

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Precautionary statements - response	<p>P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P370+P378: In case of fire: Evacuate area. P308+P313: IF exposed or concerned: Get medical advice/attention. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331: Do NOT induce vomiting. P307+P311: IF exposed: Call a POISON CENTER or doctor/physician. P321: Specific treatment (see information on this label). P302+P352: IF ON SKIN: Wash with plenty of soap and water. P333+P313: If skin irritation or rash occurs: Get medical advice/ attention. P363: Wash contaminated clothing before reuse.</p>
Precautionary statements - storage	P403 + P235 Store in a well-ventilated place. Keep cool.
Precautionary statements - disposal	P501 Dispose of contents/container to in accordance with local/international regulation
(c) Others hazards	Not known

3. COMPOSITION AND INFORMATION OF THE INGREDIENTS

(a) Substance		
Ingredient name	CAS number	%
TURPENTINE OIL	8006-64-2	0.83 - 1.04
2-BUTANONE OXIME	96-29-7	0.22 - 0.22
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	64742-48-9	0.20 - 0.32
3-iodo-2-propynyl-butylcarbamate	55406-53-6	0.03 - 0.03
CARBON BLACK	1333-86-4	0.15 - 0.15
WHITE SPIRIT, NAPHTHA (PETROLUEM)	64742-82-1	13.29 - 15.95
ETHYL BENZENE	100-41-4	0.03 - 0.16

* According to the list of classified chemicals specified in Part 1 of the Industry Code of Practice on Chemicals Classification and Hazard Communication.

4. FIRST AID MEASURES

(a) Description of first aid measures	
Inhalation	Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.
Skin	Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.
Eye contact	Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.
Ingestion	Give two glasses of water for dilution; induce vomiting by sticking fingers down throat; never give anything by mouth to an unconscious person; seek medical attention.
(b) Most important symptoms/effects, acute and delayed	
Information for health personnel	Treat Symptomatically. Do not give victim anything to drink if he is unconscious.
(c) Indication of any immediate medical attention and special treatment needed	

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Specific details on antidotes	No recommendation given.
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5. FIRE-FIGHTING MEASURES

(a) Extinguishing media	Carbon dioxide, water fog, dry chemical, chemical foam. DO NOT use water jet.
(b) Specific hazards arising from the chemical	
Fire and explosion hazards	Closed containers can explode due to buildup of pressure when exposed to extreme heat. Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash back.
Hazardous combustion products	Fire creates: Smoke, fumes, oxides of carbon, i. e., .Carbon monoxide (CO). Carbon dioxide (CO ₂).
(c) Special protective equipment and precautions for fire-fighters	Self - contained respiratory equipment; cool containers to prevent pressure buildup and explosion when exposed to extreme heat. Caution - material is flammable.

6. ACCIDENTAL RELEASE MEASURES

(a) Personal precautions, protective equipment and emergency procedures	Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Ventilate well. Stop leak if possible without risk. Avoid contact with skin and eyes. Do not breathe vapour.
(b) Environmental precautions	Avoid discharge into lakes, ponds, streams, or public waters.
(c) Methods and material for containment and cleaning.	Confine and absorb with sand, earth or other non-combustible material; place material into approved containers for disposal

7. HANDLING AND STORAGE

(a) Precautions for safe handling	Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures.
(b) Conditions for safe storage, including any incompatibilities.	CAUTION - FLAMMABLE - keeps away from all sources of ignition. "Empty" containers may contain residue, which may form explosive vapors. Do not weld or cut near empty container that has not been professionally reconditioned. Use non-sparking tools when opening and closing containers. Maintain well-ventilated work areas to minimize exposure when handling this material.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

a) Control parameters	ACGIH TLV-TWA		OSHA PEL-TWA	
	ppm	mg/m ³	ppm	mg/m ³
Ingredient name				
TURPENTINE OIL	20	-	100	560
2-BUTANONE OXIME	-	-	-	-
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	200	-	400	1590
3-iodo-2-propynyl-butylcarbamate	-	-	-	-
CARBON BLACK	-	-	-	3.5
WHITE SPIRIT, NAPHTHA (PETROLUEM)	-	-	-	-
ETHYL BENZENE	-	-	100	434

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(b) Appropriate engineering controls

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended practices, most recent edition, for details. Use explosion-proof equipment.

(c) Individual protection measures
Personal respirators (NIOSH approved)

If the exposure limit is exceeded, a half-face organic vapor respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. Warning: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye protection

Maintain eye wash fountain and quick-drench facilities in work area. Use chemical safety goggles and/or full-face shield where dusting or splashing of solutions is possible.

Work/hygienic practices

Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Liquid
Odour :	Aromatic Hydrocarbon
Odour Treshold :	N/A
pH :	Not Available
Melting Point (Cel) :	Not Applicable
Initial Boiling Point (Cel) :	120.00
Maximum Boiling Point (Cel) :	200.00
Flash Point :	40.33 Degree Celsius
Evaporation Rate :	Not Applicable
Flammability (solid, gas) :	Highly flammable in the presence of open flames, sparks and
Lower Flammable Limit LEL or Explosion Limit(%) :	1.00
Upper Flammable Limit UEL or Explosion Limit(%) :	13.10
Vapour Pressure :	Not Applicable
Vapour Density :	Not Applicable (water = 1)
Relative Density :	Not Available
Solubility :	Not soluble in water
Partition Coefficient :	Not Available
Auto-ignition Temperature (Cel) :	Not Applicable

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Decomposition temperature (Cel) :	Not Available
Viscosity :	Not Available
Percent Volatile :	50-70%
Specific Gravity and other properties if applicable:	0.800 - 1.000 g/cm3

10. STABILITY AND REACTIVITY

(a) Reactivity	Heating may cause a fire.
(b) Chemical stability	Product is stable under normal operating and storage conditions.
(c) Possibility of hazardous reactions	Not known
(d) Condition to avoid	Extreme temperatures, open flames, spark.
(e) Incompatible materials	Water, strong oxidizers, strong acids, strong alkalis.
(f) Hazardous decomposition products	Decomposition will not occur if handle and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

11. TOXICOLOGY INFORMATION

There is no data available on the product itself.

Toxicological information of hazardous ingredients:

Carcinogenicity

Ingredient	Oral LD50	Dermal LD50	Inh (Gas) LD50	Inh (Vapor) LD50	Inh (Dust/mist) LD50
2-BUTANONE OXIME	3680	DNA	DNA	DNA	DNA
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	DNA	DNA	DNA	DNA	DNA
CARBON BLACK	8000	DNA	DNA	DNA	DNA
WHITE SPIRIT, NAPHTHA (PETROLUEM)	5000	DNA	DNA	DNA	DNA

Germ Cell Mutagenicity

Ingredient	Oral LD50	Dermal LD50	Inh (Gas) LD50	Inh (Vapor) LD50	Inh (Dust/mist) LD50
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	DNA	DNA	DNA	DNA	DNA
WHITE SPIRIT, NAPHTHA (PETROLUEM)	5000	DNA	DNA	DNA	DNA

Specific Target Organ Toxicity-Single Exposure

Ingredient	Oral LD50	Dermal LD50	Inh (Gas) LD50	Inh (Vapor) LD50	Inh (Dust/mist) LD50
CARBON BLACK	8000	DNA	DNA	DNA	DNA
WHITE SPIRIT, NAPHTHA (PETROLUEM)	5000	DNA	DNA	DNA	DNA

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Aspiration Hazard

Ingredient	Oral LD50	Dermal LD50	Inh (Gas) LD50	Inh (Vapor) LD50	Inh (Dust/mist) LD50
TURPENTINE OIL	500	1100	DNA	DNA	DNA
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	DNA	DNA	DNA	DNA	DNA
WHITE SPIRIT, NAPHTHA (PETROLUEM)	5000	DNA	DNA	DNA	DNA
ETHYL BENZENE	3500	17800	DNA	17.4	DNA

Skin Sensitisation

Ingredient	Oral LD50	Dermal LD50	Inh (Gas) LD50	Inh (Vapor) LD50	Inh (Dust/mist) LD50
TURPENTINE OIL	500	1100	DNA	DNA	DNA
2-BUTANONE OXIME	3680	DNA	DNA	DNA	DNA
3-iodo-2-propynyl-butylcarbamate	DNA	DNA	DNA	DNA	DNA

12. ECOLOGICAL INFORMATION

ECOTOXICITY

No data Available

PERSISTENCE AND DEGRADABILITY

No information available.

BIOACCUMULATIVE POTENTIAL

Has the potential to bioaccumulate.

MOBILITY IN SOIL

Floats on water. Adsorbs to soil and has low mobility.

OTHER ADVERSE EFFECTS

Do not allow product to reach ground water, water course or sewage system.

Ingredient name	Fish 96 hour, LC50	Crustacea 48 hour, EC50	Algae 72/96 hour, ErC50
TURPENTINE OIL	DNA	DNA	DNA
2-BUTANONE OXIME	DNA	DNA	DNA
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	DNA	DNA	DNA
3-iodo-2-propynyl-butylcarbamate	0.145	0.47	0.049
CARBON BLACK	DNA	DNA	DNA
WHITE SPIRIT, NAPHTHA (PETROLUEM)	5.5	DNA	DNA
ETHYL BENZENE	DNA	DNA	DNA

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13. DISPOSAL CONSIDERATIONS

Waste treatment method	
Specify the appropriate methods of disposal	The generation of waste should be avoided or minimized wherever possible. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Spillage, remains, discarded clothes and similar should be discarded in a fireproof container.
Product classified as hazardous waste	Yes
Packaging classified as hazardous waste	Yes

14. TRANSPORT INFORMATION

(a) UN number	UN1263
(b) UN proper shipping name	Paint
(c) Transport Hazard Class(es)	UN Class 3 FLAMMABLE LIQUID
(d) Packing group, if applicable	III
(e) Environmental hazards (e.g. marine pollutant)	No
(f) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)	Not applicable
(g) Special precautions which a user needs to be aware of, or needs to comply with, in connection either within or outside their premises.	Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the chemical			
This product is a "Hazardous Chemical" as it uses the ingredient classified as hazardous under the list of classified chemicals specified in Part 1 of the Industry Code of Practice on Chemicals Classification and Hazard Communication.			
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.			
HMIS III rating			
Health: 1	Flammability: 3	Physical hazard: 1	PPE: Safety glasses, gloves
Other label information	Not available		
Legislation and regulations	None of the component are listed under EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances of very high concern.		

16. OTHER INFORMATION

(a) SDS number	M-0037
(b) Date of preparation of the SDS;	07/07/2018
(c) Date of revision of the SDS	07/07/2024, version 0.00
(d) Date of previous issue	-

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(e) Key literature references and sources for data used to compile the SDS	MSDS's and SDS for individual raw material, ICOP.
(f) Key/legend to the abbreviations and acronyms used in the SDS	
ATE = Acute Toxicity Estimate	BCF = Bio-concentration Factor
CAS number = Chemical Abstract Service registry number	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association	IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods	LogP _{ow} = logarithm of the octanol/water partition coefficient
UN = United Nations	MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
F - Highly flammable	
T - Toxic	
Xn - Harmful	PPM - parts per million (mg/kg)
Xi - Irritant	STEL - short-term exposure limits
TWA – time-weighted average	PEL - Permissible exposure limit
Niosh - National Institute for Occupational Safety and Health	ACGIH - American Conference of Governmental Industrial Hygienists
LD50 is defined as the lethal dose at which 50% of the population if killed in a given period of time;	REACH - Registration, Evaluation, Authorisation and restriction of Chemicals of the EU
LC50 is the lethal concentration required to kill 50% of the population.	29 CFR 1910.1200 – Hazard communication of the Occupational Safety and Health Standard
CFR - Code of Federal Regulations	EU – European Union
Flam. Liq. 3 - Flammable liquids category 3 Acute Tox. 4 (inh) - Acute toxicity category 4 inhalation Acute Tox. 4 (dermal) - Acute toxicity category 4 Skin Irrit. 2 - Skin corrosion or irritation category 2 STOT SE 3 - Specific target organ toxicity – single exposure category 3	H226 Flammable liquid and vapour H336 May cause drowsiness or dizziness H332 Harmful if inhaled H312 Harmful if in contact with skin H315 Causes skin irritation
(g) Other information	None known
Disclaimer: This information is based on our present states knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for – a particular application.	

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