EQUISOL®
PROFESSIONAL TIMBER PROTECTION

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Identifier	EQUISOL RAPID
Other Names	NA
Manufacturer's Product Code	RAPID
Recommended Use	Preservation of timber and timber products

Supplier

Company	Surface Logic Pty Ltd
Address	2/17 Bailey Crescent, Southport, Qld 4215
Phone	1300 966 322
Website	equisol.com.au

Emergency Telephone Numbers

Business Hours	0403 477 772
After Hours	0403 477 772
Poisons Information	Australia 13 11 26 New Zealand 0800 764 766

SECTION 2. HAZARDS IDENTIFICATION

Emergency Telephone Numbers

Hazardous chemical	according to classification by Safe Work Australia
Non-dangerous goods	according to the Australian Code for the Transport of Dangerous Goods by Road and Rail

Signal Word **DANGER**

GHS Classification	Pictogram	Hazard statement
Flammable Liquids, Category 4	N/A	H227 Combustible liquid
Aspiration Hazard, Category 1	 HEALTH HAZARD	H304 May be fatal if swallowed and enters airways
Carcinogenicity, Category 2		H351 Suspected of causing cancer
Sensitisation - Skin, Category 1	 EXCLAMATION MARK	H317 May cause an allergic skin reaction
Acute Aquatic Toxicity, Category 2	 ENVIRONMENT	H411 Toxic to aquatic life with long lasting effects
Chronic Aquatic Toxicity, Category 2		

Precautionary statements

GENERAL	
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
PREVENTATIVE	
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking
P273	Avoid release to the environment
P280	Wear protective gloves/eye protection/face protection
P281	Use personal protective equipment as required
RESPONSE	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P308 + P313	IF exposed or concerned: Get medical advice/attention
P331	Do NOT induce vomiting
P370 + P378	In case of fire: Use foam/water spray/fog for extinction
P391	Collect spillage
STORAGE	
P403 + P235	Store in a well-ventilated place. Keep cool
P405	Store locked up
DISPOSAL	
P501	Dispose of contents/container in accordance with local regulations

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients Names and Proportions

Chemical Entity	CAS Number	Proportion (%)
Paraffinic distillate, heavy solvent-dewaxed (severe)	64742-65-0	30 - 60
Distillates, petroleum, light, hydrotreated	64742-47-8	10 - 30
Aromatic hydrocarbons	Not available	10 - 30
Phosphoric esters	Not available	< 10
2-Octyl-2H-isothiazol-3-one	26530-20-1	< 1

SECTION 4. FIRST AID MEASURES

Description of necessary first aid measures

Inhalation	Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Skin Contact	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.
Eye Contact	If in eyes, hold eyes open, flood with water for at least 15 minutes. If symptoms persist, seek medical attention.
Ingestion	If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Symptoms caused by exposure

Inhalation	May include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing.
Skin Contact	May include redness, itching and swelling, burning sensation, blisters.
Eye Contact	May include redness, itching and tearing.
Ingestion	May cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea, coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever.

Medical attention and special treatment

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing equipment
Foam, water spray or fog, dry chemical powder or carbon dioxide. Do not use water in a jet.

Specific hazards arising from the chemical
Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.

Special protective equipment and precautions for fire fighters
Wear full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Environmental precautions
Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.

Methods and materials for containment and cleaning up
For small spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling
Combustible product. Avoid breathing vapours. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Flameproof equipment necessary in area where chemical is being used. Vapours may accumulate in low or confined areas.

Conditions for safe storage, including any incompatibilities
Store in a well-ventilated area and not near strong oxidants.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure control measures
In the absence of data from National Occupational Health & Safety Commission (NOHSC) Worksafe Australia use -
Mineral Spirits 175-220 HSPA: 350mg/m³ TWA (8hr)

Biological monitoring
No biological limit allocated.

Engineering controls
Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Individual protection measures

Eye and face protection	Wear safety goggles.
Skin protection	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
Respiratory protection	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Thermal hazards	Not applicable.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale golden liquid
Odour	Paraffinic/ Characteristic
Odour threshold (ppm)	Data not available
pH	Data not available
Melting point/freezing point (°C)	Data not available
Initial boiling point and boiling range (°C)	Typical 195 - 260
Flash point (°C)	Typical 75
Evaporation rate (Butyl acetate = 1)	0.01
Flammability	Combustible

Upper/lower flammability or explosive limits (%):	0.6 - 7.0
Vapour pressure (kPa @ 20°C)	Data not available
Vapour density (air = 1 @ 15°C)	> 1
Density (g/ml @ 15°C)	0.85
Solubility (kg/m3)	Negligible
Partition coefficient: n-octanol/water	Data not available
Auto-ignition temperature (°C)	> 200
Decomposition temperature (°C)	Data not available
Kinematic viscosity (mm2/s @ 25°C)	Data not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity
Stable under normal conditions of use.

Chemical stability
Stable under normal conditions of use.

Possibility of hazardous reactions
Soak any soiled rags in water to avoid spontaneous combustion.

Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources.

Incompatible materials
Strong oxidising agents.

Hazardous decomposition products
Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity Skin corrosion/irritation	Expected to be of low toxicity - LD50 Oral (rat) > 2000 mg/kg LD50 Dermal (rat) > 2000 mg/kg
Serious eye damage/irritation	Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.
Respiratory or skin sensitisation	Mild irritant.
Germ cell mutagenicity	May cause an allergic reaction / skin sensitisation.
Carcinogenicity	Not expected to be mutagenic.
Reproductive toxicity	Naphthalene - Classified by the International Agency for Research on Cancer (IARC) as a Group 2B. Group 2B – The agent is possibly carcinogenic to humans.
Specific Target Organ	Not expected to impair fertility.
Toxicity (STOT) – single exposure	Inhalation of vapours or mists may cause irritation to the respiratory system.
Specific Target Organ Toxicity (STOT) – repeated exposure	Central nervous system: prolonged inhalation may cause central nervous system depression with symptoms including dizziness, drowsiness, nausea and headaches.
Aspiration hazard	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
Acute toxicity

Fish –	Harmful: 10 < LC/EC/IC50 <= 100mg/l
Aquatic invertebrate –	Low toxicity: LC/EC/IC50 > 100mg/l
Algae –	Harmful: 10 < LC/EC/IC50 <= 100mg/l
Microorganisms –	Expected to be harmful: 10 < LC/EC/IC50 <= 100mg/l

Chronic toxicity

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

Persistence and degradability
Readily biodegradable. Oxidises by photo-chemical reactions in air.

Bioaccumulative potential
Has the potential to bioaccumulate.

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

Other adverse effects
Data not available.

SECTION 13. DISPOSAL CONSIDERATIONS

Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14. TRANSPORT INFORMATION

UN number	Not applicable
Proper shipping name	Not applicable
Australian Dangerous Goods class	Not applicable
Australian Dangerous Goods packing group	Not applicable
Hazchem code	Not applicable

SECTION 15. REGULATORY INFORMATION

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule	5
Australian Inventory of Chemical Substances (AICS)	Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76)	Not applicable

SECTION 15. REGULATORY INFORMATION

Date of preparation	27/05/2019
Revision number	4
Changes in this revision	Update to GHS SDS standard

This MSDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. Surface Logic cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. We make no warranties, express or implied, and assume no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact Surface Logic on 1300 966 322.