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MATERIAL SAFETY DATA SHEET

Date of Issue – 18/11/20

Revision – 2.0

1.PRODUCT IDENTIFICATION AND SUPPLIER

Name: Refresh

PRODUCT CODE: 180RF-XXXX (Four figure suffix denoting colour and pack size)

APPLICATION: Refresh is a high grade, UV resistant solvent based colourant designed for use on all internal and external wood and wood plastic composite substrates.

SUPPLIER: Aqualis Coatings P/L
47 Lara Way
Campbellfield Vic 3061
Contact Details: 1300 046 832

Emergency Numbers

Australian Poisons Information Centre: 13 11 26
Police, Fire brigade or Ambulance: 000
Aqualis Coatings 1300 046 832

ROAD AND TRANSPORT CLASSIFICATION

Not regulated for transportation of hazardous goods.

UN No: None Allocated **D.G:** None Allocated

HAZCHEM: None Allocated **P.G:** None Allocated

2. HAZARD IDENTIFICATION

Hazardous Chemical. Non-Dangerous Goods. According to the WHS Regulations and the ADG Code.

Combustible Liquid, regulated for storage purposes only.

GHS CLASSIFICATION



Signal Word

Warning

HAZARD CLASSIFICATIONS

Combustible Liquids	Category 4
Aspiration Hazard	Category 1
Health Hazards Acute toxicity (Oral)	Category 4
Acute Toxicity-Dermal	Category 4
Acute Toxicity- Inhalation	Category 4
Skin Corrosion/Irritation	Category 2
Eye Irritation	Category 2A

HAZARD STATEMENTS

H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin
H315	Causes skin irritation.
H319	Causes serious eye damage
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs

PREVENTION PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P271	Use only outdoors or in a well-ventilated area
P281	Use personal protective equipment as required
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of workplace
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection

RESPONSE PRECAUTIONARY STATEMENT

P101	If medical advice is needed, have product container or label at hand
P304+340	If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P312	Call a POISON CENTRE or doctor/physician if you feel unwell
P302+352	IF ON SKIN: Wash with soap and water
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P363	Wash contaminated clothing before reuse
P333+313	If skin irritation or a rash occurs: Get medical advice/attention
P370+378	In case of fire: Use alcohol resistant foam for extinction

3. Composition and Information on Ingredients

Composition by weight %	10-30	30-60	Balance	CAS RN	TWA PPM	STEL PPM
Non-hazardous substance, Pigment			X	None listed	None listed	None Listed
2-butoxyethanol	X			111-76-2	121	

4. First Aid Measures

EYES: Flush eyes with water for at least 15 minutes. Ensure irrigation under both eyelids is achieved. Transport patient to hospital or doctor immediately. Do not attempt to remove contact lenses, this should only be undertaken by skilled personnel.

SKIN: Remove contaminated clothing.
Wash affected areas thoroughly with soap and water. Do not wash with solvent. If irritation occurs seek medical attention.

INHALATION: Move patient to fresh air away from contamination source and remove contaminated clothing. Allow patient to assume most comfortable position and keep warm. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Seek immediate medical attention.

INGESTION: If swallowed do not induce vomiting. Wash mouth with water. Give water to drink to dilute stomach contents. If vomiting occurs, place victim's head downward, head lower than hips to prevent vomit entering lungs. Seek immediate medical attention.

SYMPTOMS CAUSED BY EXPOSURE

HEALTH HAZARD DATA

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and product label. Symptoms or effects that may arise if the product is mishandled are as follows:-

EYES: Highly irritant, which may lead to, pronounced inflammation and conjunctivitis. Damage to the cornea may result in permanent vision impairment if not treated promptly.

SKIN: May cause skin irritation after prolonged or repeated exposure, which may lead to contact dermatitis.

INHALATION: Mild irritation to upper respiratory tract may become more pronounced at elevated temperatures. More severe effects from inhalation of high concentrations of vapour include; pulmonary irritation, coughing, headache, nausea and central nervous system depression which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness. Pre-existing respiratory illness such as asthma, bronchitis or emphysema etc may be aggravated if inhaled.

INGESTION: Gastrointestinal irritation may cause nausea, pain and vomiting. If spontaneous vomiting occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomit.

5. Fire Fighting Measures

FIRE AND EXPLOSION HAZARD DATA

Hazchem Code: Not Applicable
Flash point (°C): 67 °C
Extinguishing Media: Dry chemical, foam or CO2

Hazards:

Keep away from naked flame, spark or heat source.
On combustion, may emit toxic fumes of carbon monoxide and/or carbon dioxide.

Special protective equipment and precautions for firefighters

Combustible liquid. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

6. SPILL AND CLEAN UP PROCEDURES

Remove possible sources of ignition. Avoid breathing vapour and contact with skin and eyes. Wear appropriate safety equipment.

- Absorb all spills with a dangerous goods approved absorbent material such as sand, vermiculite etc. Place in an **Australian Standard Approved** flammable goods waste bin and add equal volume of water. Dispose of through an approved dangerous good waste management contractor.
Do not permit spilled material to flow into sewer or natural waterway.
 - Place 'all spray booth' dry waste including dirty rags, overspray dust, sweepings, paint film etc. in an **Australian Standard Approved** flammable goods waste bin and add equal volume of water.
 - Recycle all liquid waste including paint sludge and dirty Reducers when possible, otherwise place in a suitable dangerous goods approved container and dispose of through an approved dangerous goods liquid waste contractor.
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7. Storage and Handling

Storage

Store in a cool, dry, well ventilated place and out of sunlight. Store away from incompatible materials. Keep containers closed when not in use and check regularly for leaks.

Handling: Avoid skin and eye contact and inhalation of vapour, mists or aerosols.

SAFETY PROTECTION INFORMATION

ENGINEERING CONTROLS:

Use in a well-ventilated area, under normal conditions general exhaust is adequate. Spraying should be done in accordance with local state regulations. All electrical fittings and appliances including power outlets, lighting and exhaust extraction must be intrinsically safe and in accordance to class 1 zone 1 Australian Standards, this is also required where painted surfaces are drying as evaporating flammable solvents are given off for some time and may accumulate in enclosed areas. Keep containers closed when not in use. Do Not enter confined spaces where vapour may have collected.

8. Exposure controls and Personal Protection

National occupational exposure limit:

None assigned for this product by Safe Work Australia. However, the following list of raw materials may serve as a guide.

2- Butoxyethanol: 96.9 mg/m³ (20ppm) TWA (8hr) skin, 242 mg/m³ (50ppm) STEL

Biological Monitoring

No biological limit allocated.

ENGINEERING CONTROLS:

As with good work safe practices, use in a well-ventilated area, under normal conditions general exhaust is adequate. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

PERSONAL PROTECTION

INHALATION: Wear an Australian Standard Approved respirator. The selection of class and type will be dependent on level of air-borne contaminant and chemical type. For general use with adequate ventilation, an organic vapour respirator is sufficient. In conditions where high levels of exposure to spray mist and vapour are present with poor ventilation, wear full-faced air supplied breathing apparatus.

EYES: Chemical goggles or safety glasses with side shields. Do not wear contact lenses as they absorb and concentrate irritants.

HANDS: Wear chemical resistant gloves such as rubber, PVC, nitrile, or neoprene. Do not wash hands with solvent; use industrial hand cleansing cream or soap and water.

CLOTHING: Wear protective clothing that minimises the risk of skin contamination. Wear safety footwear.

9. Physical and Chemical Properties

PHYSICAL DATA

Appearance: Coloured liquid
Odour: Low odour
Specific Gravity: 0.95 – 1.00 Kg/lit
Percent volatile by volume: 90%
Solubility in water g/l: >50

10. Stability and Reactivity

REACTIVITY DATA

STABLE	X
UNSTABLE	

Materials to avoid:

Strong oxidizing agents

Hazardous Decomposition Products:

Carbon dioxide and monoxide.

Hazardous Polymerisation:

Will not occur

11. Toxicology Data

None listed for this product if handled in accordance to this Safety Data Sheet and information listed on product label. However symptoms which may arise from misuse and overexposure are as follows:

Acute Toxicity According to Ingredients

2- Butoxyethanol:

Expected to be of low toxicity-

Oral LD50 (rat): 530-3000mg/kg

Oral LD50 9guinea Pig): 950-1414 mg/kg

Skin: Mild irritant-

Dermal LD50 (rabbit): 100-610 mg/kg

Dermal LD50 (guinea pig): 1200-2000mg/kg

Eye:	May irritate eyes.
Respiratory:	Not expected to be a sensitiser
Germ Cell mutagenicity:	Not a mutagen
Carcinogenicity:	Not a carcinogen
Reproductive Toxicity	Not expected to impair fertility
Aspiration Hazard	Not considered an aspiration hazard

Single Target Organ Toxicity Single exposure

- Concentrated Vapours can result in headaches, dizziness and possible nausea

Single Target Organ Toxicity Repeated exposure

- Available evidence from animal studies indicates that repeated or prolonged exposure to high concentrations of 2-butoxyethanol could result in effects on the blood system, liver and kidneys.

12. Ecological Information

Avoid contaminating waterways.

Acute aquatic Hazard:	No information available for product
Long-term aquatic Hazard:	No information available for product based on ingredients
Ecology Toxicity:	No information available for product
Persistence and degradability	No information available but is expected to biodegrade base on its raw material makeup.
Bio-accumulative potential:	Based on individual raw materials, not expected to bio-accumulate

13. DISPOSAL PRECAUTIONARY STATEMENTS

P501 Dispose of contents/container in accordance with local, regional and international regulations

DISPOSAL RECOMMENDATION:

Dispose of in accordance with local waste management regulations in an authorised landfill or consult local land waste Management Authority for disposal.

Recycle where possible; dispose of empty vented containers through a metal recycler or at an authorised landfill.

14. STORAGE AND TRANSPORT

Combustible Liquid, regulated for storage purposes only

Marine Pollutant: No

Hazchem: Not Applicable

Land Transport (ADG): Not Regulated For Transport of Dangerous Goods

Air Transport (ICAO-IATA/DGR): Not Regulated For Transport of Dangerous Goods

Sea Transport (IMDG-CODE/GGVSEE): Not Regulated For Transport of Dangerous Goods

15. Regulatory Information

All ingredients in this product are listed on the Australian Inventory of Chemical Substance (AICS)

16. Other Information

Date of preparation : 18/11/2020

Revision number : 2

Changes in revision : Format

Australian Poisons Information Centre: 13 11 26

Police, Fire brigade or Ambulance: 000

Aqualis Coatings 1300 046 832

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