Multi Gard GP33 Part B Resene Paints (Australia) Limited

Version No: 1.2

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 3

Issue Date: **05/01/2021** Print Date: **05/01/2021** S.GHS.AUS.EN

SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier			
Product name	Multi Gard GP33 Part B		
Chemical Name	Not Applicable		
Synonyms	Not Available		
Proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)		
Other means of identification	Not Available		

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Part B of a two pack industrial coating	

Details of the supplier of the safety data sheet

Registered company name	Resene Paints (Australia) Limited	
Address	4 Link Drive Queensland 4207 Australia	
Telephone	+61 7 55126600	
Fax	+61 7 55126697	
Website	www.resene.com.au	
Email	Not Available	

Emergency telephone number

Association / Organisation	AUSTRALIAN POISONS CENTRE	CHEMWATCH EMERGENCY RESPONSE
Emergency telephone numbers	131126	+61 2 9186 1132
Other emergency telephone numbers	Not Available	+61 1800 951 288

Once connected and if the message is not in your prefered language then please dial 01

SECTION 2 Hazards identification

Classification of the substance or mixture

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

Poisons Schedule	Not Applicable		
Classification ^[1]	Flammable Liquid Category 3, Acute Toxicity (Dermal) Category 4, Serious Eye Damage Category 1, Acute Toxicity (Oral) Category 4, Skin Corrosion/Irritation Category 2, Skin Sensitizer Category 1, Carcinogenicity Category 2, Chronic Aquatic Hazard Category 3		
Legend:	1. Classified by Chernwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI		

Label elements

Hazard pictogram(s)	

Hazard statement(s)

Signal word Danger

hazaru statement(s)	
H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H318	Causes serious eye damage.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.

Page 2 of 12

Multi Gard GP33 Part B

H412 Harmful to aquatic life with long lasting effects.

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P260	Do not breathe mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary statement(s) Response

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P308+P313	IF exposed or concerned: Get medical advice/ attention.	
P310	mmediately call a POISON CENTER/doctor/physician/first aider.	
P370+P378	n case of fire: Use alcohol resistant foam or normal protein foam to extinguish.	
P302+P352	IF ON SKIN: Wash with plenty of water and soap.	
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.	
P362+P364	Take off contaminated clothing and wash it before reuse.	
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.	
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].	
P330	Rinse mouth.	

Precautionary statement(s) Storage

P403+P235	Store in a well-ventilated place. Keep cool.	
P405	Store locked up.	

Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
1330-20-7	60-70	xylene
1477-55-0	1-10	<u>m-xylenediamine</u>
90-72-2	1-10	2.4.6-tris[(dimethylamino)methyl]phenol
71-36-3	1-10	n-butanol
Not Available	20-30	ingredients not contributing to classification

SECTION 4 First aid measures

Description of first aid measures

Eye Contact	 If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	 If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

Inhalation	 If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	 If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice. Avoid giving milk or oils. Avoid giving alcohol. If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.

Indication of any immediate medical attention and special treatment needed

Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically. Mechanical means should be used if it is considered necessary to evacuate the stomach contents; these include gastric lavage after endotracheal intubation. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours.

SECTION 5 Firefighting measures

Extinguishing media

- Alcohol stable foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog Large fires only.

Special hazards arising from the substrate or mixture

Fire Incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Advice for firefighters

Advice for firefighters	
Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. If safe, switch off electrical equipment until vapour fire hazard removed. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.
Fire/Explosion Hazard	 Liquid and vapour are flammable. Moderate fire hazard when exposed to heat or flame. Vapour forms an explosive mixture with air. Moderate explosion hazard when exposed to heat or flame. Vapour may travel a considerable distance to source of ignition. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). Combustion products include: carbon monoxide (CO) carbon dioxide (CO2) other pyrolysis products typical of burning organic material.
HAZCHEM	•3Y

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	 Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb small quantities with vermiculite or other absorbent material. Wipe up. Collect residues in a flammable waste container.
Major Spills	 Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves.

Prevent, by any means available, spillage from entering drains or water course. Consider evacuation (or protect in place). No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Water spray or fog may be used to disperse /absorb vapour. Contain spill with sand, earth or vermiculite. Use only spark-free shovels and explosion proof equipment. Collect recoverable product into labelled containers for recycling. Absorb remaining product with sand, earth or vermiculite.
Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains. ▶ If contamination of drains or waterways occurs, advise emergency services.

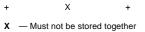
Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Precautions for safe handling Safe handling	 Containers, even those that have been emptied, may contain explosive vapours. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (<=1 m/sec until fill pipe submerged to twice its diameter, then <= 7 m/sec). Avoid splash filling. Do NOT use compressed air for filling discharging or handling operations. Avoid all personal contact, including inhalation. Wear protective clothing when risk of overexposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights or ignition sources. Avoid somoting, naked lights or ignition sources. Avoid contact with incompatible materials. When handling, DO NOT est, drink or smoke. Keep contact with incompatible materials. When handling, DO NOT est, drink or smoke. Keep contact with soap and water after handling. Avoid physical damage to containers. Aways wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions.
Other information	 Store in original containers in approved flammable liquid storage area. Store away from incompatible materials in a cool, dry, well-ventilated area. DO NOT store in pits, depressions, basements or areas where vapours may be trapped. No smoking, naked lights, heat or ignition sources. Storage areas should be clearly identified, well illuminated, clear of obstruction and accessible only to trained and authorised personnel - adequate security must be provided so that unauthorised personnel do not have access. Store according to applicable regulations for flammable materials for storage tanks, containers, piping, buildings, rooms, cabinets, allowable quantities and minimum storage distances. Use non-sparking ventilation systems, approved explosion proof equipment and intrinsically safe electrical systems. Have appropriate extinguishing capability in storage area (e.g. portable fire extinguishers - dry chemical, foam or carbon dioxide) and flammable gas detectors. Keep adsorbents for leaks and spills readily available. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

Conditions for safe storage, including any incompatibilities

Suitable container	 Packing as supplied by manufacturer. Plastic containers may only be used if approved for flammable liquid. Check that containers are clearly labelled and free from leaks. Manufactured product that requires stirring before use and having a viscosity of at least 20 cSt (25 deg. C): (i) Removable head packaging; (ii) Cans with friction closures and (iii) low pressure tubes and cartridges may be used
Storage incompatibility	
+ X +	



— May be stored together with specific preventions 0

+ - May be stored together

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	xylene	Xylene (o-, m-, p- isomers)	80 ppm / 350 mg/m3	655 mg/m3 / 150 ppm	Not Available	Not Available
Australia Exposure Standards	m-xylenediamine	m-Xylene-alpha,alpha'- diamine	Not Available	Not Available	0.1 mg/m3	Not Available
Australia Exposure Standards	n-butanol	n-Butyl alcohol	Not Available	Not Available	50 ppm / 152 mg/m3	Not Available

Emergency Limits

Ingredient	Material name	TEE	EL-1	TEEL-2	TEEL-3
xylene	Xylenes	Not Available		Not Available	Not Available
2,4,6- tris[(dimethylamino)methyl]phenol	Tris(dimethylaminomethyl)phenol, 2,4,6-	6.5 mg/m3		72 mg/m3	430 mg/m3
n-butanol	Butyl alcohol, n-; (n-Butanol)	60 ppm		800 ppm	8000** ppm
Ingredient	Original IDLH		Revised IDLH		
xylene	900 ppm		Not Available		
m-xylenediamine	Not Available	Not Available			
2,4,6- tris[(dimethylamino)methyl]phenol	Not Available		Not Available		
n-butanol	1,400 ppm	Not Available			
Occupational Exposure Banding					
Ingredient	Occupational Exposure Band Rating		Occupational E	xposure Band Limit	
2,4,6- tris[(dimethylamino)methyl]phenol	C > 1 to ≤ 10 parts per million (ppm)				
Notes:	Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to range of exposure concentrations that are expected to protect worker health.				

Exposure controls

	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard 'physically' away from the worker and ventilation that strategically 'adds' and 'removes' air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure.				
	For flammable liquids and flammable gases, local exhaust ventilation or a process enclosure ventilation system may be required. Ventilation equipment should be explosion-resistant. Air contaminants generated in the workplace possess varying 'escape' velocities which, in turn, determine the 'capture velocities' of fresh				
	circulating air required to effectively remove the contaminar	nt.		Air Orandu	
	Type of Contaminant: solvent, vapours, degreasing etc., evaporating from tank (in still air)		Air Speed: 0.25-0.5 m/ (50-100	
			(50-100 f/min.)		
Appropriate engineering controls	aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)				
			ansfers, welding, spray drift,	0.5-1 m/s (100-200 f/min.)	
		one of active generation)		(100-200	
	plating acid fumes, pickling (released at low velocity into z direct spray, spray painting in shallow booths, drum filling,	one of active generation)		(100-200 f/min.) 1-2.5 m/s (200-500	
	plating acid fumes, pickling (released at low velocity into z direct spray, spray painting in shallow booths, drum filling, into zone of rapid air motion)	one of active generation)		(100-200 f/min.) 1-2.5 m/s (200-500	
	plating acid fumes, pickling (released at low velocity into z direct spray, spray painting in shallow booths, drum filling, into zone of rapid air motion) Within each range the appropriate value depends on:	one of active generation) conveyer loading, crusher dusts, g		(100-200 f/min.) 1-2.5 m/s (200-500	
	plating acid fumes, pickling (released at low velocity into z direct spray, spray painting in shallow booths, drum filling, into zone of rapid air motion) Within each range the appropriate value depends on: Lower end of the range	conveyer loading, crusher dusts, c Upper end of the range		(100-200 f/min.) 1-2.5 m/s (200-500	
	plating acid fumes, pickling (released at low velocity into z direct spray, spray painting in shallow booths, drum filling, into zone of rapid air motion) Within each range the appropriate value depends on: Lower end of the range 1: Room air currents minimal or favourable to capture	conveyer loading, crusher dusts, c Upper end of the range 1: Disturbing room air currents		(100-200 f/min.) 1-2.5 m/s (200-500	

Page 6 of 12

Multi Gard GP33 Part B

Personal protection	
Eye and face protection	 Safety glasses with side shields. Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be remover a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]
Skin protection	See Hand protection below
Hands/feet protection	 Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber NOTE: The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. Contaminated leather items, such as shees, belts and watch-bands should be removed and destroyed. The selection of suitable gloves does not on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The exact brough time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice. Personal hygine is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended. Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include: frequency and durability of glove type is dependent on usage. Important factors in the selection of gloves include: thermit resistance of glove material. glove thickness and dexterity Belter gloves stested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent). When only brief contact is expected, a glove with a protection class of 5 or higher (breakthrough time greater than 20 minutes according EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended. Some glove polymer types are leas affected by movement and this should
Body protection	moisturiser is recommended. See Other protection below
Other protection	 Overalls. PVC Apron. PVC protective suit may be required if exposure severe. Eyewash unit. Ensure there is ready access to a safety shower. Some plastic personal protective equipment (PPE) (e.g. gloves, aprons, overshoes) are not recommended as they may produce static electricity. For large scale or continuous use wear tight-weave non-static clothing (no metallic fasteners, cuffs or pockets). Non sparking safety or conductive footwear should be considered. Conductive footwear describes a boot or shoe with a sole made from a conductive compound chemically bound to the bottom components, for permanent control to electrically ground the foot an shall dissipate static electricit from the body to reduce the possibility of ignition of volatile compounds. Electrical resistance must range between 0 to 500,000 ohms. Conductive shoes should be stored in lockers close to the room in which they are worn. Personnel who have been issued conductive footwear should not wear them from their place of work to their homes and return.

Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the: Forsberg Clothing Performance Index'.

The effect(s) of the following substance(s) are taken into account in the *computer*-

Type A Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the 'Exposure Standard' (or ES), respiratory protection is required.

generated selection:

Multi Gard GP33 Part B

Material	CPI
BUTYL	С
BUTYL/NEOPRENE	С
HYPALON	С
NAT+NEOPR+NITRILE	С
NATURAL RUBBER	C
NATURAL+NEOPRENE	С
NEOPRENE	C
NEOPRENE/NATURAL	С
NITRILE	C
NITRILE+PVC	C
PE	С
PE/EVAL/PE	C
PVA	С
PVC	С
PVDC/PE/PVDC	С
TEFLON	C
VITON	С

* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

* Where the glove is to be used on a short term, casual or infrequent basis, factors such as 'feel' or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

amber liquid

SECTION 9 Physical and chemical properties

Appearance

Information on basic physical and chemical properties

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	A-AUS / Class 1	-	A-PAPR-AUS / Class 1
up to 50 x ES	Air-line*	-	-
up to 100 x ES	-	A-3	-
100+ x ES	-	Air-line**	-

* - Continuous-flow; ** - Continuous-flow or positive pressure demand A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

- Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.
- Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

Physical state	Liquid	Relative density (Water = 1)	0.91
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	482
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	120.88
Initial boiling point and boiling range (°C)	134	Molecular weight (g/mol)	Not Available
Flash point (°C)	26	Taste	Not Available
Evaporation rate	0.7 BuAC = 1	Explosive properties	Not Available
Flammability	Flammable.	Oxidising properties	Not Available
Upper Explosive Limit (%)	8.1	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	1.1	Volatile Component (%vol)	69
Vapour pressure (kPa)	0.8	Gas group	Not Available
Solubility in water	Immiscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	3.59	VOC g/L	616.90

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	 Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7

Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Information on toxicological effects

Inhaled	The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation (as classified by EC Directives using animal models). Nevertheless, adverse systemic effects have been produced following exposure of animals by at least one other route and good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
Ingestion	Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. Swallowing of the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis; serious consequences may result. (ICSC13733)
Skin Contact	Skin contact with the material may be harmful; systemic effects may result following absorption. This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
Eye	If applied to the eyes, this material causes severe eye damage.
Chronic	Repeated or long-term occupational exposure is likely to produce cumulative health effects involving organs or biochemical systems. There has been concern that this material can cause cancer or mutations, but there is not enough data to make an assessment. Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population. Ample evidence exists from experimentation that reduced human fertility is directly caused by exposure to the material.

Multi Card OD22 Date D	TOXICITY IRRITATION		ATION			
Multi Gard GP33 Part B	Not Available		Not Av	Not Available		
	TOXICITY		IRRITA	TION		
	Dermal (rabbit) LD50: >1700 mg/kg ^[2]		Eye (h	Eye (human): 200 ppm irritant		
	Inhalation(Rat) LC50 4994.295 mg/l/4h ^[2]		Eye (ra	Eye (rabbit): 5 mg/24h SEVERE		
xylene	Oral(Mouse) LD50 2119 mg/kg ^[2]		Eye (ra	abbit): 87 mg mild		
	Oral(Rat) LD50 3523-8700 mg/kg ^[2]		Eye: a	dverse effect observed (irritating) ^[1]		
	Oral(Rat) LD50 4300 mg/kg ^[2]		Skin (ra	abbit):500 mg/24h moderate		
			Skin: a	dverse effect observed (irritating) ^[1]		
	ΤΟΧΙCΙΤΥ			IRRITATION		
	Dermal (rabbit) LD50: 2000 mg/kg ^[2]			Eye (rabbit): 0.05 mg/24h SEVERE		
m-xylenediamine	Inhalation(Rat) LC50 174.800325 mg/l/1hE ^[2]			Skin (rabbit): 0.75 mg/24h SEVERE		
	Oral(Rat) LD50 >200 mg/kg ^[1]					
	Oral(Rat) LD50 930 mg/kg ^[2]					
	ΤΟΧΙΟΙΤΥ	IRRIT	IRRITATION			
	Inhalation(Rat) LC50 >0.125 mg/l/1hr.] ^[2]	Eye (rabbit): 0.0		05 mg/24h - SEVERE		
2,4,6- tris[(dimethylamino)methyl]phenol	Oral(Rat) LD50 1200 mg/kg ^[2]	Dral(Rat) LD50 1200 mg/kg ^[2] Eye: adverse		e effect observed (irreversible damage) ^[1]		
	Skin (rabb		,	bbit): 2 mg/24h - SEVERE		
		Skin: a	adverse e	ffect observed (corrosive) ^[1]		
	TOXICITY		IRRITATION			
	Dermal (rabbit) LD50: 3400 mg/kg ^[2]			pm - irritant		
n hutenel	Inhalation(Rat) LC50 24 mg/l/4H ^[2]		,	.6 mg-SEVERE		
n-butanol	Oral(Hamster) LD50 =1200 mg/kg ^[2]			J/24h-SEVERE		
	Oral(Rat) LD50 790 mg/kg ^[2]			t observed (irreversible damage) ^[1]		
				ng/24h-moderate		
		Skin: adv	erse effec	ct observed (irritating) ^[1]		

Page 9 of 12

Multi Gard GP33 Part B

Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances				
Acute Toxicity	✓	Carcinogenicity	✓		
Skin Irritation/Corrosion	✓	Reproductivity	×		
Serious Eye Damage/Irritation	✓	STOT - Single Exposure	×		
Respiratory or Skin sensitisation	*	STOT - Repeated Exposure	×		
Mutagenicity	×	Aspiration Hazard	×		
			ot available or does not fill the criteria for classification le to make classification		

SECTION 12 Ecological information

Multi Cand CD22 Dart D	Endpoint	Endpoint Test Duration (hr)		Species	Value		Sour	ce
Multi Gard GP33 Part B	Not Available	Not Available		Not Available	Not Avai	ilable	Not A	vailable
	Endpoint	Test Duration (hr)	Species			Value		Source
	LC50	96	Fish			0.00134	104-mg/L	4
xylene	EC50	48	Crustacea	1		1.8mg/L	-	2
	EC50	72	Algae or o	other aquatic plants		3.2mg/L	_	2
	NOEL	72	Not Availa	able		0.01-mg	g/L	4
	Endpoint	Test Duration (hr)	Spec	ies			Value	Source
	LC50	96	Fish	•			75mg/L	2
m-xylenediamine	EC50	48	Crust	acea			15.2mg/L	2
	EC50	72	Algae	Algae or other aquatic plants			12mg/L	2
	NOEC	504	Crust	Crustacea			4.7mg/L	2
	Endpoint	Test Duration (hr)	Spec	ies			Value	Source
2,4,6- s[(dimethylamino)methyl]phenol	LC50	96	Fish	Fish			175mg/L	2
ollamonitianno)monitignenoi	EC50	72	Algae	Algae or other aquatic plants			2.8mg/L	2
	Endpoint	Test Duration (hr)	Species			Value	9	Source
	LC50	96	Fish			-100-	500mg/L	4
	EC50	48	Crustace	ea		>500	mg/L	1
n-butanol	EC50	96	Algae or	other aquatic plants		225m	ng/L	2
	BCF	24	Fish	Fish		921-mg/L		4
	EC10	168	Algae or	Algae or other aquatic plants		<20-mg/L		4
				Crustacea				2

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters.

Wastes resulting from use of the product must be disposed of on site or at approved waste sites. **DO NOT** discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
xylene	HIGH (Half-life = 360 days)	LOW (Half-life = 1.83 days)
m-xylenediamine	HIGH	HIGH
2,4,6- tris[(dimethylamino)methyl]phenol	HIGH	HIGH
n-butanol	LOW (Half-life = 54 days)	LOW (Half-life = 3.65 days)

Bioaccumulative potential

Ingredient

Bioaccumulation

Ingredient	Bioaccumulation
xylene	MEDIUM (BCF = 740)
m-xylenediamine	LOW (BCF = 2.7)
2,4,6- tris[(dimethylamino)methyl]phenol	LOW (LogKOW = 0.773)
n-butanol	LOW (BCF = 0.64)
Mobility in soil	
Ingredient	Mobility
m-xylenediamine	LOW (KOC = 914.6)

2,4,6- tris[(dimethylamino)methyl]phenol	LOW (KOC = 15130)
n-butanol	MEDIUM (KOC = 2.443)

SECTION 13 Disposal considerations

	Containers may still present a chemical hazard/ danger when empty.
	Return to supplier for reuse/ recycling if possible.
	Otherwise:
	If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.
	Where possible retain label warnings and SDS and observe all notices pertaining to the product.
	Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.
	A Hierarchy of Controls seems to be common - the user should investigate:
	▶ Reduction
	▶ Reuse
	▶ Recycling
	Disposal (if all else fails)
Product / Packaging disposal	This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Shelf life considerations should also be
	applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate.
	DO NOT allow wash water from cleaning or process equipment to enter drains.
	It may be necessary to collect all wash water for treatment before disposal.
	In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.
	Where in doubt contact the responsible authority.
	Recycle wherever possible.
	Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
	 Dispose of by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or Incineration in a licensed apparatus (after admixture with suitable combustible material).
	Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

SECTION 14 Transport information

Labels Required				
	3			
Marine Pollutant	NO			
HAZCHEM	•3Y			
Land transport (ADG)				
UN number	1263			
UN proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)			
Transport hazard class(es)	Class 3 Subrisk Not Applicable			
Packing group	III			
Environmental hazard	Not Applicable			
Special precautions for user	Special provisions 163 223 367 Limited quantity 5 L			

UN number	1263				
UN proper shipping name	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base); Paint related material (including paint thinning or reducing compounds)				
Transport hazard class(es)	ICAO/IATA Class				
	ERG Code 3L				
Packing group	III				
Environmental hazard	Not Applicable				
Special precautions for user	Special provisions		A3 A72 A192		
	Cargo Only Packing Instructions		366		
	Cargo Only Maximum Qty / Pack		220 L		
	Passenger and Cargo Packing Instructions		355		
	Passenger and Cargo Maximum Qty / Pack		60 L		
	Passenger and Cargo Limited Quantity Packing Instructions		Y344		
	Passenger and Cargo Limited Maximum Qty / Pack		10 L		

Sea transport (IMDG-Code / GGVSee)

UN number	1263			
UN proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)			
Transport hazard class(es)	IMDG Class 3 IMDG Subrisk Not Applicable			
Packing group	II			
Environmental hazard	Not Applicable			
Special precautions for user	EMS NumberF-E , S-ESpecial provisions163 223 367 955Limited Quantities5 L			

Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

SECTION 15 Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

xylene is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) -Schedule 5

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule ${\rm 6}$

m-xylenediamine is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

2,4,6-tris[(dimethylamino)methyl]phenol is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 2

n-butanol is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5

Australian Inventory of Industrial Chemicals (AIIC) International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

Australian Inventory of Industrial Chemicals (AIIC)

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) -Schedule 6 Australian Inventory of Industrial Chemicals (AIIC)

National Inventory Status

Status		
Yes		
Yes		
No (xylene; m-xylenediamine; 2,4,6-tris[(dimethylamino)methyl]phenol; n-butanol)		
Yes		
Yes		
Yes		
-		

National Inventory	Status
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - ARIPS	Yes
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

SECTION 16 Other information

Revision Date	05/01/2021
Initial Date	20/09/2017

SDS Version Summary

Version	Issue Date	Sections Updated
0.2.1.1.1	05/01/2021	Acute Health (eye), Acute Health (inhaled), Acute Health (skin), Acute Health (swallowed), Chronic Health, Engineering Control, Environmental, Exposure Standard, Fire Fighter (fire/explosion hazard), Handling Procedure, Ingredients

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

- PC-TWA: Permissible Concentration-Time Weighted Average
- PC-STEL: Permissible Concentration-Short Term Exposure Limit
- IARC: International Agency for Research on Cancer
- ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- TEEL: Temporary Emergency Exposure ${\sf Limit}_{\circ}$
- IDLH: Immediately Dangerous to Life or Health Concentrations
- OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level
- LOAEL: Lowest Observed Adverse Effect Level
- TLV: Threshold Limit Value
- LOD: Limit Of Detection
- OTV: Odour Threshold Value
- BCF: BioConcentration Factors
- BEI: Biological Exposure Index

Powered by AuthorITe, from Chemwatch.