Trade Essentials[®]

THE **laminex** group

LAMINEX COLOUR TECH DOORS 2000A PREMIUM POLYURETHANE PART A (LEAD FREE)

The Laminex Group

Chemwatch: **5093-24** Version No: **7.1.1.1** Safety Data Sheet according to WHS and ADG requirements Chemwatch Hazard Alert Code: 3

Issue Date: 06/12/2013 Print Date: 15/06/2014 Initial Date: Not Available L.GHS.AUS.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	LAMINEX COLOUR TECH DOORS 2000A PREMIUM POLYURETHANE PART A (LEAD FREE)
Chemical Name	Not Applicable
Synonyms	Product Code: 2000A
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) (see 3.2.5 for relevant [AUST.] entries)
Chemical formula	Not Applicable
Other means of identification	Not Available
CAS number	Not Applicable

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

Relevant identified uses
The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing.
Before starting consider control of exposure by mechanical ventilation.
Base or Part A of a 2 pack
urethane coating system
Requires that the two parts be mixed by hand or mixer before use, in accordance with manufacturers directions. Mix only as much as is required.
Premium gloss for kitchen doors, vanities and commercial fixtures requiring a, hard wearing surface

Details of the supplier of the safety data sheet

Registered company name	The Laminex Group
Address	90-94 Tram Road Doncaster 3108 VIC Australia
Telephone	+61 3 9848 4811
Fax	+61 3 9840 6513
Website	www.thelaminexgroup.com.au
Email	Not Available

Emergency telephone number

Association / Organisation	Not Available	1	1
Emergency telephone numbers	Not Available		
Other emergency telephone numbers	Not Available	1	1

CHEMWATCH EMERGENCY RESPONSE

Primary Number	Alternative Number 1	Alternative Number 2
1800 039 008	+612 9186 1132	Not Available

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 Model WHS Regulations and the ADG Code.

Poisons Schedule	S5	
GHS Classification ^[1]	Flammable Liquid Category 3, Acute Toxicity (Dermal) Category 4, Acute Toxicity (Inhalation) Category 4, Reproductive Toxicity Category 1B	
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI	

Label elements

GHS label elements	
SIGNAL WORD	DANGER

Hazard statement(s)

H226	Flammable liquid and vapour
H312	Harmful in contact with skin
H332	Harmful if inhaled
H360	May damage fertility or the unborn child

Supplementary statement(s)

Not Applicable

CLP classification (additional)

Not Applicable

Precautionary statement(s): Prevention

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.
P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P271	Use only outdoors or in a well-ventilated area.

Precautionary statement(s): Response

P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see advice on this label).
P370+P378	In case of fire: Use to extinguish.
P312	Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.

Precautionary statement(s): Storage

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

Precautionary statement(s): Disposal

Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

P501

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
Not Available	10-30	resin unregulated
13463-67-7	30-60	titanium dioxide
111-15-9	5-20	2-ethoxyethyl acetate
Not Available	1-10	aromatic solvents
108-88-3	1-10	toluene
Not Available	1-10	alkyl ester
Not Available	<2	alkyl ketone
Not Available	1-5	additives

SECTION 4 FIRST AID MEASURES

Eye Contact	 If this product comes in contact with the eyes: Wash out immediately with fresh 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. Seek medical attention without delay; if pain persists or recurs seek medical attention. 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 or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained Perform CPR if necessary. Transport to hospital, or doctor.
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.

Indication of any immediate medical attention and special treatment needed

 Mechanical means should be used endotracheal intubation. If spontane effects of aspiration into the lungs m Treat symptomatically. For acute or short term repeated ex Gastro-intestinal absorption is endotracheal tube is recomme Pulmonary absorption is rapid Primary threat to life from inge Patients should be quickly eva given oxygen. Patients with in intubated. Arrhythmias complicate some i reported; intravenous lines and solvents, so that hyperventilatio A chest x-ray should be taken i pneumothorax. Epinephrine (adrenalin) is not r 	posures to xylene: significant with ingestions. For ingestions exceed nded. The use of charcoal and cathartics is equi with about 60-65% retained at rest. stion and/or inhalation, is respiratory failure. luated for signs of respiratory distress (e.g. cyan adequate tidal volumes or poor arterial blood gas hydrocarbon ingestion and/or inhalation and elec l cardiac monitors should be established in obvio in improves clearance. mmediately after stabilisation of breathing and ci ecommended for treatment of bronchospasm be oselective bronchodilators (e.g. Alupent, Salbuta	nach contents; these include gas atient should be monitored for dif eding 1-2 ml (xylene)/kg, intubation ivocal. cosis, tachypnoea, intercostal retra ses (pO2 < 50 mm Hg or pCO2 > trocardiographic evidence of myo usly symptomatic patients. The line rculation to document aspiration a scause of potential myocardial ser mol) are the preferred agents, wi	tric lavage after ficult breathing, as adverse on and lavage with cuffed action, obtundation) and 50 mm Hg) should be ocardial injury has been ungs excrete inhaled and detect the presence of nsitisation to
	BIOLOGICAL EXPOSURE IN	DEX - BEI	
These represent the determinants of	bserved in specimens collected from a healthy w	orker exposed at the Exposure S	tandard (ES or TLV):
Determinant	Index	Sampling Time	Comments
		End of shift	
Methylhippu-ric acids in urine	1.5 gm/gm creatinine	End of Shint	

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

 Dry chemical powder. BCF (where regulations permit). Carbon dioxide.

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

- 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.			
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. 			

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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. 						
	Chemical Class: aromatic hydrocarbons For release onto land: recommended sorbents listed in order of priority.						
	SORBENT TYPE RANK APPLICATION			COL	LECTION		LIMITATIONS
	LAND SPILL - SMALL						
	Feathers - pillow			1	throw	pitchfork	DGC, RT
	cross-linked polymer - p	articulate		2	shovel	shovel	R,W,SS
	cross-linked polymer- p	illow		2	throw	pitchfork	R, DGC, RT
	sorbent clay - particulate	e		3	shovel	shovel	R, I, P,
	treated clay/ treated nat	treated clay/ treated natural organic - particulate			shovel	shovel	R, I
	wood fibre - pillow			4	throw	pitchfork	R, P, DGC, RT
	LAND SPILL - MEDIUM						
Maion Crille	cross-linked polymer -particulate			1	blower	skiploader	R, W, SS
Major Spills	treated clay/ treated natural organic - particulate			2	blower	skiploader	R, I
	sorbent clay - particulate			3	blower	skiploader	R, I, P
	polypropylene - particulate			3	blower	skiploader	W, SS, DGC
	feathers - pillow			3	throw	skiploader	DGC, RT
	expanded mineral - particulate			4	blower	skiploader	R, I, W, P, DGC
	Legend DGC: Not effective where ground cover is dense R; Not reusable I: Not incinerable P: Effectiveness reduced when rainy RT:Not effective where terrain is rugged SS: Not for use within environmentally sensitive sites W: Effectiveness reduced when windy Reference: Sorbents for Liquid Hazardous Substance Cleanup and Control; R:W Melvold et al: Pollution Technology Review No. 150: Noyes Data Corporation 1988 I Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard.						
	 May be violently or ex Personal Protective Equip 		contained in Section 8 of the MS	SDS.			

SECTION 7 HANDLING AND STORAGE

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. Contains low boiling substance: Storage in sealed containers may result in pressure buildup causing violent rupture of containers not rated appropriately. Check for bulging containers.
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.

Conditions for safe storage, including any incompatibilities

j -,	
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. For low viscosity materials (i) : Drums and jerry cans must be of the non-removable head type.
Storage incompatibility	 Avoid reaction with oxidising agents

PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

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	titanium dioxide	Titanium dioxide	10 mg/m3	Not Available	Not Available	This value is for inspirable dust containing no asbestos and < 1% crystalline silica (see Chapter 14)
Australia Exposure Standards	2-ethoxyethyl acetate	2-Ethoxyethyl acetate	27 mg/m3 / 5 ppm	Not Available	Not Available	Sk
Australia Exposure Standards	toluene	Toluene	191 mg/m3 / 50 ppm	574 mg/m3 / 150 ppm	Not Available	Sk

EMERGENCY LIMITS

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
titanium dioxide	15 ppm	15 ppm	15 ppm	500 ppm
2-ethoxyethyl acetate	5 ppm	75 ppm	500 ppm	500 ppm
toluene	200 ppm	200 ppm	510 ppm	2900 ppm

Ingredient	Original IDLH	Revised IDLH
resin unregulated	Not Available	Not Available
titanium dioxide	N.E. mg/m3 / N.E. ppm	5,000 mg/m3
2-ethoxyethyl acetate	2,500 ppm	500 ppm
aromatic solvents	Not Available	Not Available
toluene	2,000 ppm	500 ppm
alkyl ester	Not Available	Not Available
alkyl ketone	Not Available	Not Available
additives	Not Available	Not Available

MATERIAL DATA

Sensory irritants are chemicals that produce temporary and undesirable side-effects on the eyes, nose or throat. Historically occupational exposure standards for these irritants have been based on observation of workers' responses to various airborne concentrations. Present day expectations require that nearly every individual should be protected against even minor sensory irritation and exposure standards are established using uncertainty factors or safety factors of 5 to 10 or more. On occasion animal no-observable-effect-levels (NOEL) are used to determine these limits where human results are unavailable.

Exposure controls

Appropriate engineering 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.
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.
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 The selection of suitable gloves does not only depend 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 break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.
Body protection	See Other protection below
Other protection	 Overalls. PVC Apron. PVC protective suit may be required if exposure severe. Eyewash unit.

Thermal hazards Not Available

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*-

generated selection:

LAMINEX COLOUR TECH DOORS 2000A PREMIUM POLYURETHANE PART A (LEAD FREE)

Material	CPI
##n-butyl	acetate
BUTYL	В
PVA	В
###methyl ethyl	ketone

* 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.

Respiratory protection

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.

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	-	A-PAPR-AUS / Class 1
up to 50 x ES	-	A-AUS / Class 1	-
up to 100 x ES	-	A-2	A-PAPR-2 ^

^ - Full-face

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)

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	White flammable liquid with a solvent odour; not miscible with water.		
Physical state	Liquid	Relative density (Water = 1)	1.39-1.45
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Applicable	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	78-156	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	23	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Flammable.	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Immiscible	pH as a solution(1%)	Not Applicable
Vapour density (Air = 1)	>1	VOC g/L	Not Available

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	toxico	logical	effects
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formation on toxicological effects			
Inhaled	Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo. Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage.		
Ingestion	Swallowing of the liquid may cause aspiration of vomit into the lungs with the risk of haemorrhaging, pulmonary oedema, progressing to chemical pneumonitis; serious consequences may result. Signs and symptoms of chemical (aspiration) pneumonitis may include coughing, gasping, choking, burning of the mouth, difficult breathing, and bluish coloured skin (cyanosis). Accidental ingestion of the material may be damaging to the health of the individual.		
	Skin contact with the material may be harmful	; systemic effects may result following absorption.	
Skin Contact	 The material may produce mild skin irritation; limited evidence or practical experience suggests, that the material either: produces mild inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant, but mild, inflammation when applied to the healthy intact skin of animals (for up to four hours), such inflammation being present twenty-four hours or more after the end of the exposure period. Skin irritation may also be present after prolonged or repeated exposure; this may result in a form of contact dermatitis (non allergic). The dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to blistering (vesiculation), scaling and 		
Eye	thickening of the epidermis. Limited evidence or practical experience suggests, that the material may cause moderate eye irritation in a substantial number of individuals and/or may produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Repeated or prolonged exposure may cause moderate inflammation (similar to windburn) characterised by a temporary redness of the conjunctiva (conjunctivitis); temporary impairment of vision and/or other transient eye damage/ulceration may occur.		
Chronic	carcinogenic or mutagenic effects; in respect satisfactory assessment. There is sufficient evidence to provide a stron clear evidence in animal studies of impaired f dose levels as other toxic effects but which is There is sufficient evidence to provide a stron the basis of: - clear results in appropriate animal studies w dose levels as other toxic effects but which ar	s, concern has been expressed by at least one classification body that the material may produce of the available information, however, there presently exists inadequate data for making a ag presumption that human exposure to the material may result in impaired fertility on the basis of: - iertility in the absence of toxic effects, or evidence of impaired fertility occurring at around the same not a secondary non-specific consequence of other toxic effects. g presumption that human exposure to the material may result in developmental toxicity, generally on here effects have been observed in the absence of marked maternal toxicity, or at around the same re not secondary non-specific consequences of the other toxic effects. ong-term occupational exposure may produce cumulative health effects involving organs or	
LAMINEX COLOUR TECH DOORS 2000A PREMIUM POLYURETHANE PART A (LEAD FREE)	TOXICITY Not Available	IRRITATION Not Available	
	TOXICITY	IRRITATION	
	Inhalation (Rat) TCLo: 0.04 mg/kg Oral (Mouse) LD50: >10000 mg/kg *	Skin (human): 0.3 mg /3D (int)-mild *	
titanium dioxide	Oral (Mouse) TDLo: 0.0032 mg/kg		
	Oral (Rat) LD50: >20000 mg/kg *		
	Oral (Rat) TDLo: 60000 mg/kg		
	Not Available	Not Available	
	TOXICITY	IRRITATION	
	Dermal (rabbit) LD50: 10500 mg/kg	Dermal (rabbit):420 mg(open)-mild	
2-ethoxyethyl acetate	Inhalation (rat) LC50: 12100 mg/m3/8 h	Eye (rabbit): 40 mg - moderate	
	Inhalation (rat) TCLo: 50 ppm/6 h		
	Oral (rat) LD50: 2900 mg/kg		
	Not Available	Not Available	

IRRITATION

Not Available

Eye (rabbit): 2mg/24h - SEVERE

Eye (rabbit):100 mg/30sec - mild

Skin (rabbit):20 mg/24h-moderate

Skin (rabbit):500 mg - moderate

Eye (rabbit):0.87 mg - mild

* Value obtained from manufacturer's msds

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances

toluene

TOXICITY

Not Available

Dermal (rabbit) LD50: 12124 mg/kg

Inhalation (human) TCLo: 100 ppm

Inhalation (rat) LC50: >26700 ppm/1h

Inhalation (man) TCLo: 200 ppm

Oral (human) LDLo: 50 mg/kg

Oral (rat) LD50: 636 mg/kg

TITANIUM DIOXIDE	* IUCLID
2-ETHOXYETHYL ACETATE	The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis. Exposure to the material for prolonged periods may cause physical defects in the developing embryo (teratogenesis).
TOLUENE	The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling the epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis. For toluene: Acute Toxicity Humans exposed to intermediate to high levels of toluene for short periods of time experience adverse central nervous system effects ranging from headaches to intoxication, convulsions, narcosis, and death.
LAMINEX COLOUR TECH DOORS 2000A PREMIUM POLYURETHANE PART A (LEAD FREE), TITANIUM DIOXIDE	The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitits. The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling epidermis.

Acute Toxicity	¥	Carcinogenicity	0
Skin Irritation/Corrosion	0	Reproductivity	×
Serious Eye Damage/Irritation	0	STOT - Single Exposure	\otimes
Respiratory or Skin sensitisation	0	STOT - Repeated Exposure	\otimes
Mutagenicity	0	Aspiration Hazard	\otimes

CMR STATUS

SKIN	2-ethoxyethyl acetate	Australia Exposure Standards - Skin	Sk
SKIN	toluene	Australia Exposure Standards - Skin	Sk

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

NOT AVAILABLE

Ingredient	Endpoint	Test Duration	Effect	Value	Species	BCF
resin unregulated	Not Available					
titanium dioxide	Not Available					
2-ethoxyethyl acetate	Not Available					
aromatic solvents	Not Available					
toluene	Not Available					
alkyl ester	Not Available					
alkyl ketone	Not Available					
additives	Not Available					

For glycol ethers:

Environmental fate:

Ether groups are generally stable to hydrolysis in water under neutral conditions and ambient temperatures. OECD guideline studies indicate ready biodegradability for several glycol ethers although higher molecular weight species seem to biodegrade at a slower rate. No glycol ethers that have been tested demonstrate marked resistance to biodegradative processes. Upon release to the atmosphere by evaporation, high boiling glycol ethers are estimated to undergo photodegradation (atmospheric half lives = 2.4-2.5 hr).

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Not Available	Not Available	Not Available
Bioaccumulative potential		
Ingredient	Bioaccumulation	
Not Available	Not Available	
Mobility in soil		
Ingredient	Mobility	
Not Available	Not Available	

SECTION 13 DISPOSAL CONSIDERATIONS

Version No: 7.1.1.1

LAMINEX COLOUR TECH DOORS 2000A PREMIUM POLYURETHANE PART ...

Waste treatment methods

Product / Packaging disposal 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 MSDS and observe all notices pertaining to the product.

SECTION 14 TRANSPORT INFORMATION

Labels Required

	PLAMMABLE JOUID 3
Marine Pollutant	NO
HAZCHEM	•3Y

Land transport (ADG)

UN number	1263
Packing group	III
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) (see 3.2.5 for relevant [AUST.] entries)
Environmental hazard	No relevant data
Transport hazard class(es)	Class 3 Subrisk
Special precautions for user	Special provisions 163 223 * Limited quantity 5 L

Air transport (ICAO-IATA / DGR)

UN number	1263		
Packing group	Ш		
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)		
Environmental hazard	No relevant data		
Transport hazard class(es)	ICAO/IATA Class 3 ICAO / IATA Subrisk ERG Code 3L		
Special precautions for user	Special provisions Cargo Only Packing Instructions Cargo Only Maximum Qty / Pack Passenger and Cargo Packing Instructions Passenger and Cargo Maximum Qty / Pack Passenger and Cargo Limited Quantity Packing Instructions Passenger and Cargo Limited Maximum Qty / Pack	A3A72 366 220 L 355 60 L Y344 10 L	

Sea transport (IMDG-Code / GGVSee)

UN number	1263
Packing group	Ш
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)
Environmental hazard	
Transport hazard class(es)	IMDG Class 3 IMDG Subrisk
Special precautions for user	EMS NumberF-E , S-ESpecial provisions163 223 955

Limited Quantities 5 L

Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC code					
Source	Ingredient	Pollution Category	Residual Concentration - Outside Special Area (% w/w)	Residual Concentration	
40-7-4-8-0-0-AA-20140404	titanium dioxide	Z	Not Available	Not Available	
40-7-4-8-0-0-AA-20140404	2-ethoxyethyl acetate	Y	Not Available	Not Available	
40-7-4-8-0-0-AA-20140404	toluene	Y	Not Available	Not Available	

SECTION 15 REGULATORY INFORMATION

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

titanium dioxide(13463-67-7) is found on the following regulatory lists	"IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk","Australia Exposure Standards","Australia Approved Active Constituents for Agricultural Chemical Products", "FisherTransport Information","OECD List of High Production Volume (HPV) Chemicals","International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs","Australia Inventory of Chemical Substances (AICS)","International Numbering System for Food Additives","Australia Therapeutic Goods Administration (TGA) Australian regulatory guidelines for sunscreens (ARGS) - Sunscreening agents permitted as active ingredients in listed products","OECD Existing Chemicals Database", "Sigma-AldrichTransport Information", "Australia Australian Pesticides and Veterinary Medicines Authority (APVM) Record of approved active constituents", "Australia High Volume Industrial Chemical List (HVICL)", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "CODEX General Standard for Food Additives (GSFA) - Additives Permitted for Use in Food in General, Unless Otherwise Specified, in Accordance with GMP", "International Fragrance Association (IFRA) Survey: Transparency List", "IMO IBC Code Chapter 17: Summary of minimum requirements", "Australia Therapeutic Goods Administration (TGA) Substances that may be used as active ingredients in Listed medicines"
2-ethoxyethyl acetate(111-15-9) is found on the following regulatory lists	"International Maritime Dangerous Goods Requirements (IMDG Code)","IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk","Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix F (Part 3)","IMDG Code - Medical First Aid Guide for use in accidents involving Dangerous Goods (MFAG) - Appendix 15 List Of Substances", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index","Australia Exposure Standards","IMO Provisional Categorization of Liquid Substances - List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards","FisherTransport Information", "Australia FAISD Handbook - First Aid Instructions, Warning Statements, and General Safety Precautions", "Australia Dangerous Goods (MoG Code) - List of Emergency Action Codes", "United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (English)", "OECD List of High Production Volume (HPV) Chemicals", "International Fragrance Association (IFRA) Standards Prohibited", "OSPAR National List of Candidates for Substitution – Norway", "Australia Inventory of Chemical Substances (AICS)", "Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix I", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)", "International Chemical Secretariat (ChemSec) SIN List ("Substitute It Now!)", "International Sciety of Automotive Engineers", "Sigma-AldrichTransport Information", "United National Recommendations on the Transport of Dangerous Goods Model Regulations (SUSMP) - Appendix E (Part 2)", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "International Sciety of Automotive Engineers", "Australia Dangerous Goods List", "Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix E (Part 2)", "GESAMP/EHS Compos
toluene(108-88-3) is found on the following regulatory lists	*Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5", "Australia Illicit Drug Reagents/Essential Chemicals - Category III", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "International Maritime Dangerous Goods Requirements (IMDG Code), "Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix F (Par3), "Australia Customs (Prohibited Exports) Regulations 1958 - Schedule 9 Precursor substances - Part 2", "United Nations Convention Against Illicit Traffic in Narcotic Drugs and Psychotropic Substances - Table II", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index," Australia Exposure Standards," (SSPAR List of Chemicals for Priority Action", "IMO Provisional Categorization of Liquid Substances - List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hezards, "Fisher Transport Information", "Australia FAISD Handbook - First Aid Instructions, Warning Statements, and General Safety Prezundiors", "Australia Dangerous Goods Code (ADG Code) - List of Emergency Action Codes", "United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (English)", "United Nations Consolidated List of Products Whose Consumption and/or Sale Have Been Banned, Withdrawn, Severely Restricted or Not Approved by Governments", "CECD List of High Production Volume (HPV), Chemicals", "International Substances (AICS)", "Australia Transport, Regulations concerning the International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs," Australia Drinking Water Guideline Values For Physical and Chemical Characteristics", "Australia Inventory of Chemical Substances (AICS)", "Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix I", "Belgium Federar Public Service Mobility and Transport, Regulations toncerning the International Carriage of Dange

SECTION 16 OTHER INFORMATION

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. A list of reference resources used to assist the committee may be found at: <u>www.chemwatch.net/references</u>

The (M)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.

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