GSB Chemical Co.

Chemwatch: 21-9778 Version No: 4.1.1.1

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 1

Issue Date: 10/07/2014 Print Date: 30/10/2015 Initial Date: Not Available S.GHS.AUS.EN

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

Product Identifier

Product name	tal Varnish Matt	
Synonyms	Overprint varnish, litho varnish.	
Other means of identification	Not Available	
Relevant identified uses of the substance or mixture and uses advised against		
Relevant identified uses	Use according to manufacturer's directions. Used for overprinting finished print via lithographic machinery.	

Details of the supplier of the safety data sheet

Registered company name	GSB Chemical Co.
Address	84 Camp Road Broadmeadows 3047 VIC Australia
Telephone	+61 3 9457 1125 (8am-5pm, Monday - Friday)
Fax	+61 3 9459 7978
Website	Not Available
Email	info@gsbchem.com.au

Emergency telephone number

Association / Organisation	Available	
Emergency telephone numbers	+61 3 9457 1125 (8am-5pm, Monday - Friday)	
Other emergency telephone numbers	13 11 26 (After hours)	

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

Poisons Schedule	Not Applicable		
GHS Classification	Not Applicable		
Label elements			
GHS label elements	Not Applicable		
SIGNAL WORD	NOT APPLICABLE		
Hazard statement(s)			
Not Applicable			
Precautionary statement(s) Prevention			
Not Applicable			
Precautionary statement(s) Response			
Not Applicable			
Precautionary statement(s) Storage		
Not Applicable			
Precautionary statement(s) Disposal			
Not Applicable			
SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS			

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
Not Available	30-60	phenolic resin
Not Available	10-<30	high boiling point liquid hydrocarbons
9002-88-4	<10	polyethylene wax
112926-00-8	<10	silica precipitated, crystalline free
8001-26-1	<10	linseed oil
Not Available	NotSpec.	ingredients at levels determined not to be hazardous
Not Available	balance	ingredients at levels determined not to be hazardous

SECTION 4 FIRST AID MEASURES

Description of 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 or hair contact occurs: ► 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.

Indication of any immediate medical attention and special treatment needed

As in all cases of suspected poisoning, follow the ABCDEs of emergency medicine (airway, breathing, circulation, disability, exposure), then the ABCDEs of toxicology (antidotes, basics, change absorption, change distribution, change elimination).

For poisons (where specific treatment regime is absent):

BASIC TREATMENT

----_____

- Establish a patent airway with suction where necessary.
- Watch for signs of respiratory insufficiency and assist ventilation as necessary.
- Administer oxygen by non-rebreather mask at 10 to 15 L/min.
- Monitor and treat, where necessary, for pulmonary oedema.
- Monitor and treat, where necessary, for shock.
- Anticipate seizures
- > DO NOT use emetics. Where ingestion is suspected rinse mouth and give up to 200 ml water (5 ml/kg recommended) for dilution where patient is able to swallow, has a strong gag reflex and does not drool.

ADVANCED TREATMENT

Consider orotracheal or nasotracheal intubation for airway control in unconscious patient or where respiratory arrest has occurred.

- Positive-pressure ventilation using a bag-valve mask might be of use
- Monitor and treat, where necessary, for arrhythmias.
- + Start an IV D5W TKO. If signs of hypovolaemia are present use lactated Ringers solution. Fluid overload might create complications.
- Drug therapy should be considered for pulmonary oedema. ÷
- Hypotension with signs of hypovolaemia requires the cautious administration of fluids. Fluid overload might create complications.
- Treat seizures with diazepam. ÷

Proparacaine hydrochloride should be used to assist eye irrigation.

BRONSTEIN, A.C. and CURRANCE, P.L.

EMERGENCY CARE FOR HAZARDOUS MATERIALS EXPOSURE: 2nd Ed. 1994

Treat symptomatically.

For polytetrafluoroethylene (PTFE) and other related polyfluorinated polymers:

Pyrolysis products of this material have been known to produce an influenza-like syndrome in man, lasting 24-48 hours.

(ILO)

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

- Water spray or fog.
- Alcohol stable foam.
- Dry chemical powder.
- 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

	 Alert Fire Brigade and tell them location and nature of hazard.
	Wear full body protective clothing with breathing apparatus.
	 Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a first array to control first and and adjacent area.
Fire Fighting	 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.
	Combustible.
	Slight fire hazard when exposed to heat or flame.
	 Heating may cause expansion or decomposition leading to violent rupture of containers.
	On combustion, may emit toxic fumes of carbon monoxide (CO).
Fire/Explosion Hazard	► May emit acrid smoke.
	Mists containing combustible materials may be explosive.
	Combustion products include:carbon dioxide (CO2) acrolein, other pyrolysis products typical of burning organic materialMay emit poisonous fumes. May emi
	corrosive fumes.
	 Polytetrafluoroethylene (PTFE) and related polyfluorinated polymers does not burn without an external flame.
	WARNING: Wear neoprene gloves when handling refuse from fire where polytetrafluoroethylene (PTFE) was present.

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. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal.
Major Spills	 Moderate hazard. Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. 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 hand	ling
Safe handling	 Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure 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 contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always 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. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. 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	ge, including any incompatibilities
Suitable container	 Metal can or drum Packaging as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	Avoid reaction with oxidising agents

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	silica precipitated, crystalline free	Silica - Amorphous Precipitated silica gel / Precipitated silica / Silica gel	a / Silica - A	morphous Silica	10 mg/m3	Not Available	Not Available	Not Available	
EMERGENCY LIMITS									
Ingredient	Material name		TEEL-1		TEEL-2		TEEL-3		
polyethylene wax	Polyethylene		10 mg/m	13	110 mg/m3		1000 mg/m3	1000 mg/m3	
silica precipitated, crystalline free	Silica gel, amorphous synth	Silica gel, amorphous synthetic		6 mg/m3		6 mg/m3		6 mg/m3	
linseed oil	Polymerized linseed oil		6 mg/m3		66 mg/m3		400 mg/m3		
linseed oil	Linseed oil		22 mg/m	n3 250 mg/m3		1500 mg/m3			
Ingredient	Original IDLH			Revised IDLH					
phenolic resin	Not Available			Not Available					
high boiling point liquid hydrocarbons	Not Available			Not Available					
polyethylene wax	Not Available			Not Available					
silica precipitated, crystalline free	Not Available			Not Available					
linseed oil	Not Available			Not Available	Not Available				
ingredients at levels determined not to be hazardous	Not Available			Not Available					
ingredients at levels determined not to be hazardous	Not Available			Not Available					

Exposure controls

Exposure controls				
	Engineering controls are used to remove a hazard or place a barrier between the worker and the ha effective in protecting workers and will typically be independent of worker interactions to provide this I. 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 "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designe the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. Local exhaust ventilation usually required. If risk of overexposure exists, wear approved respirator. C Supplied-air type respirator may be required in special circumstances. Correct fit is essential to ens An approved self contained breathing apparatus (SCBA) may be required in some situations. Provide adequate ventilation in warehouse or closed storage area. Air contaminants generated in the turn, determine the "capture velocities" of fresh circulating air required to effectively remove the cont	high level of protection. the worker and ventilation that stra d properly. The design of a ventilati correct fit is essential to obtain adec ure adequate protection. e workplace possess varying "esca	utegically "adds" and on system must match quate protection.	
	Type of Contaminant:		Air Speed:	
	solvent, vapours, degreasing etc., evaporating from tank (in still air).			
Appropriate engineering	aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfer acid fumes, pickling (released at low velocity into zone of active generation)	0.5-1 m/s (100-200 f/min.)		
controls	direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas di zone of rapid air motion)	1-2.5 m/s (200-500 f/min.)		
	grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial ve air motion).	2.5-10 m/s (500-2000 f/min.)		
	Within each range the appropriate value depends on:			
	Lower end of the range	Upper end of the range		
	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents		
	2: Contaminants of low toxicity or of nuisance value only.	nce value only. 2: Contaminants of high toxicity		
	3: Intermittent, low production.	3: High production, heavy use		
	4: Large hood or large air mass in motion 4: Small hood-local control only			
	Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple ext of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point distance from the contaminating source. The air velocity at the extraction fan, for example, should be solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerati apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when	t should be adjusted, accordingly, a a minimum of 1-2 m/s (200-400 f/n ions, producing performance defici	after reference to nin) for extraction of ts within the extraction	

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Crystal Varnish Matt

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 removed in 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 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. Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include: frequency and duration of contact, chemical resistance of glove material, glove thickness and dexterity Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent). When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended. When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 240 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended. Some glove polymer types are less affected by movement and this should be taken into account when considering gloves for long-term use. Contaminated gloves should be replaced.
Body protection	See Other protection below
Other protection	 Overalls. P.V.C. apron. Barrier cream. Skin cleansing cream. Eye wash unit.
Thermal hazards	Not Available

Respiratory protection

Not Available

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Honey coloured very viscous liquid with a characteristic odou	r; not miscible with water.	
Physical state	#00Liquid	Relative density (Water = 1)	0.97
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	290-320	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	>124	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	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)	<25
Vapour pressure (kPa)	<0.1 @20C	Gas group	Not Available
Solubility in water (g/L)	#01immiscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	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 toxicological effects

Inhaled	There is some evidence to suggest that the material can cau lung damage. At temperatures of over 400 deg. C the polymer begins to de Fumes from burning materials containing PTFE irritate the up Overheated or burnt PTFE releases hydrogen fluoride (a hig	compose with the reaction becoming oper airway and may be harmful if e	kposure is prolonged.
Ingestion	Accidental ingestion of the material may be damaging to the l	nealth of the individual.	
Skin Contact	The liquid may be miscible with fats or oils and may degreas unlikely to produce an irritant dermatitis as described in EC I At temperatures of over 400 deg. C the polymer begins to de Fumes from burning materials containing PTFE irritate the up Overheated or burnt PTFE releases hydrogen fluoride (a hig Open cuts, abraded or irritated skin should not be exposed to	Directives . compose with the reaction becoming oper airway and may be harmful if e hly irritating and corrosive gas) and	kposure is prolonged.
Eye	There is some evidence to suggest that this material can cau	se eye irritation and damage in som	e persons.
Chronic	There has been some concern that this material can cause can Substance accumulation, in the human body, may occur and reply (tetrafluoroethylene) is used in the treatment for a numb persistent chronic inflammatory reaction on histology of the since the since and the treatment chronic inflammatory treatment studies did not reproduce testicular changes but subsequent studies did not reproduce the since and the since	nay cause some concern following r er of urological disorders. Exposure tes taken. Repeated administration	epeated or long-term occupational exposure. of some experimental animals by local injection showed
	ΤΟΧΙΟΙΤΥ	IRRITATION	
Crystal Varnish Matt	Not Available	Not Available	
phenolic resin	TOXICITY	IRRITATION	
process com	Not Available	Not Available	
high boiling point liquid	ΤΟΧΙΟΙΤΥ	IRRITATION	
hydrocarbons	Not Available	Not Available	
	TOXICITY	IRRITATION	
	Dermal (rabbit) LD50: >2000 mg/kg ^[2]	[Eastman]	
polyethylene wax	Inhalation (mouse) LC50: 12 mg/L/30m ^[2]		
	Inhalation (rat) LC50: 75.5 mg/L/30M ^[2]		
	Oral (rat) LD50: >3000 mg/kg ^[2]		
cilias presinitated	ΤΟΧΙΟΙΤΥ	IRRITATION	
silica precipitated, crystalline free	Not Available	Eye (rabbit) : 8	.3 mg/48h
			-
linseed oil	TOXICITY	IRRITATION	
	Oral (rat) LD50: >2000 mg/kg*e ^[2]	Skin (human):	00 mg/3days-moderate
ingredients at levels	ΤΟΧΙΟΙΤΥ	IRRITATION	
determined not to be hazardous	Not Available	Not Available	
ingredients at levels			
determined not to be		IRRITATION Not Available	
hazardous	Not Available	1	from manufacturaria SDS . Unloss otherwise apositied data
Legend:	 Value obtained from Europe ECHA Registered Substance extracted from RTECS - Register of Toxic Effect of chemical 		irom manufacturer's SDS. Onless otherwise specified data
Acute Toxicity	0	Carcinogenicity	0
Skin Irritation/Corrosion	\odot	Reproductivity	0
Serious Eye	0	STOT - Single Exposure	0
Damage/Irritation	~		~

Respiratory or Skin 0 STOT - Repeated Exposure 0 sensitisation Mutagenicity \odot Aspiration Hazard 0

Legend:

X - Data available but does not fill the criteria for classification

- Data required to make classification available

O – Data Not Available to make classification

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Ingredient	Endpoint	Test Duration	Species	Value	Source
polyethylene wax	LC50	96	Fish	16.2520mg/L	3
polyethylene wax	EC50	96	Algae or other aquatic plants	61.6660mg/L	3
silica precipitated, crystalline free	LC50	96	Fish	120.743mg/L	3
silica precipitated, crystalline free	EC50	96	Algae or other aquatic plants	596.638mg/L	3

For polytetrafluoroethylene (PTFE) and other related polyfluorinated polymers:

Ecotoxicity is expected to be low based on the near zero water solubility of the polymer. Material is considered inert and is not expected to e biodegradable or toxic.

For Amorphous Silica: Amorphous silica is chemically and biologically inert. It is not biodegradable.

Aquatic Fate: Due to its insolubility in water there is a separation at every filtration and sedimentation process. On a global scale, the level of man-made synthetic amorphous silicas (SAS) represents up to 2.4% of the dissolved silica naturally present in the aquatic environment and untreated SAS have a relatively low water solubility and an extremely low vapour pressure. Biodegradability in sewage treatment plants or in surface water is not applicable to inorganic substances like SAS

Terrestrial Fate: Crystalline and/or amorphous silicas are common on the earth in soils and sediments, and in living organisms (e.g. diatoms), but only the dissolved form is bioavailable. On the basis of these properties it is expected that SAS released into the environment will be distributed mainly into soil/sediment. Surface treated silica will be wetted then adsorbed onto soils and sediments.

Atmospheric Fate: SAS is not expected to be distributed into the air if released

Ecotoxicity: SAS is not toxic to environmental organisms (apart from physical desiccation in insects). SAS presents a low risk for adverse effects to the environment.

For Silica:

Environmental Fate: Most documentation on the fate of silica in the environment concerns dissolved silica, in the aquatic environment, regardless of origin, (man-made or natural), or structure, (crystalline or amorphous).

Terrestrial Fate: Silicon makes up 25.7% of the Earth �s crust, by weight, and is the second most abundant element, being exceeded only by oxygen. Silicon is not found free in nature, but occurs chiefly as the oxide and as silicates. Once released into the environment, no distinction can be made between the initial forms of silica.

Aquatic Fate: At normal environmental pH, dissolved silica exists exclusively as monosilicic acid. At pH 9.4, amorphous silica is highly soluble in water. Crystalline silica, in the form of quartz, has low solubility in water. Silicic acid plays an important role in the biological/geological/chemical cycle of silicon, especially in the ocean. Marine organisms such as diatoms, silicoflagellates and radiolarians use silicic acid in their skeletal structures and their skeletal remains leave silica in sea sediment

Ecotoxicity: Silicon is important to plant and animal life and is practically non-toxic to fish including zebrafish, and Daphnia magna water fleas.

DO NOT discharge into sewer or waterways

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
polyethylene wax	LOW	LOW
silica precipitated, crystalline free	LOW	LOW

Bioaccumulative potential

Ingredient	Bioaccumulation
polyethylene wax	LOW (LogKOW = 1.2658)
silica precipitated, crystalline free	LOW (LogKOW = 0.5294)

Mobility in soil

Ingredient	Mobility
polyethylene wax	LOW (KOC = 14.3)
silica precipitated, crystalline free	LOW (KOC = 23.74)

SECTION 13 DISPOSAL CONSIDERATIONS

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 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
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		ipment to enter drains. before disposal. s and regulations and these should be considered first. cycling options.
SECTION 14 TRANSPOR		
Labels Required		
Marine Pollutant	NO	
HAZCHEM	Not Applicable	
Land transport (ADG): NO	T REGULATED FOR TRANSPORT OF DANGEROU	S GOODS
Land transport (ADG). NO	A RESIDENT ON TRANSPORT OF DANGEROU	
Air transport (ICAO-IATA /	DGR): NOT REGULATED FOR TRANSPORT OF DA	INGEROUS GOODS
Sea transport (IMDG-Code	e / GGVSee): NOT REGULATED FOR TRANSPORT	OF DANGEROUS GOODS
·	ng to Annex II of MARPOL 73 / 78 and the IBC co	
Source	Ingredient	Pollution Category
IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk	linseed oil	Y
	1	
SECTION 15 REGULATO	ORY INFORMATION	
Cofess, boolth and anying	mentel regulations / legislation energies for the	aukatanaa ay mivtura
Not Applicable	nmental regulations / legislation specific for the	substance of mixture
Not Applicable		
POLYETHYLENE WAX(9002-8	88-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS	1
Australia Inventory of Chemical S	Substances (AICS)	International Agency for Research on Cancer (IARC) - Agents Classified by the IARC
		Monographs
SILICA PRECIPITATED, CRYS	TALLINE FREE(112926-00-8) IS FOUND ON THE FOLLOWIN	NG REGULATORY LISTS
Australia Exposure Standards		Australia Inventory of Chemical Substances (AICS)
Australia Hazardous Substances	Information System - Consolidated Lists	
LINSEED OIL(8001-26-1) IS FO	OUND ON THE FOLLOWING REGULATORY LISTS	
Australia Inventory of Chemical S	Substances (AICS)	
Not Applicable Not Applicable		
National Inventory	Status	
Australia - AICS	Y	
Canada - DSL	Y	
Canada - NDSL	N (polyethylene wax; silica precipitated, crystalline free; linsee	d oil)
China - IECSC	Y	
Europe - EINEC / ELINCS / NLP	N (polyethylene wax; silica precipitated, crystalline free)	
Japan - ENCS	Y	
Korea - KECI	Y	

Japan - ENCS	Y
Korea - KECI	Υ
New Zealand - NZIoC	Y
Philippines - PICCS	Υ
USA - TSCA	N (silica precipitated, crystalline free)
Legend:	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

SECTION 16 OTHER INFORMATION

Other information

Ingredients with multiple cas numbers

linseed oil 66071-03-2, 67746-08-1, 80	3001-26-1

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: www.chemwatch.net

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.

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 Limit, IDLH: Immediately Dangerous to Life or Health Concentrations OSF: Odour Safety Factor NOAEL : No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level LOX Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value BCF: BioConcentration Factors BEI: Biological Exposure Index

