Safety Data Sheet

Hazardous, Dangerous Goods

1.MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: EPIC INDUSTRIAL ENAMEL

Synonyms	Product Code
EPIC IND EN BRIGHT BLUE B23 1L INDUSTRIAL ENAMEL	EPIC1501
EPIC IND EN BRIGHT BLUE B23 4L INDUSTRIAL ENAMEL	EPIC1504
EPIC IND EN GL SIGNAL RED 1L	EPIC4801
EPIC IND EN GL SIGNAL RED 4L	EPIC4804
EPIC IND EN GOLDEN YELL Y14 1L INDUSTRIAL ENAMEL	EPIC4701
EPIC IND EN GOLDEN YELL Y14 4L INDUSTRIAL ENAMEL	EPIC4704
EPIC IND EN JOHN DEERE GRN 1L INDUSTRIAL ENAMEL JOHN DEERE GREEN	EPIC1101
EPIC IND EN JOHN DEERE GRN 4L INDUSTRIAL ENAMEL JOHN DEERE GREEN	EPIC1104
EPIC IND EN MINT GREEN G17 1L INDUSTRIAL ENAMEL	EPIC1601
EPIC IND EN MINT GREEN G17 4L INDUSTRIAL ENAMEL	EPIC1604
EPIC IND EN R11 INTERNATIONAL ORANGE 1L	EPIC1201
EPIC IND EN R11 INTERNATIONAL ORANGE 4L	EPIC1204
EPIC IND EN RICH BLUE B11 1L INDUSTRIAL ENAMEL	EPIC1301
EPIC IND EN RICH BLUE B11 4L INDUSTRIAL ENAMEL	EPIC1304
EPIC IND EN SUNFLOWER Y15 1L INDUSTRIAL ENAMEL	EPIC1401
EPIC IND EN SUNFLOWER Y15 4L INDUSTRIAL ENAMEL	EPIC1404
EPIC IND ENAM SAFETY YELLOW 1L INDUSTRIAL ENAMEL	EPIC3001
EPIC IND ENAM SAFETY YELLOW 4L INDUSTRIAL ENAMEL	EPIC3004
EPIC IND ENAMEL ALUMINIUM 1L	EPIC5701
EPIC IND ENAMEL ALUMINIUM 20L	EPIC5720
EPIC IND ENAMEL ALUMINIUM 4L	EPIC5704
EPIC IND ENAMEL CLEAR BASE 4L INDUSTRIAL ENAMEL	EPIC5603
EPIC IND ENAMEL CLEAR BASE LT	EPIC5502
EPIC IND ENAMEL COLOUR 10L	EPIC5510
EPIC IND ENAMEL CTB 9.5L	EPIC5509
EPIC IND ENAMEL EARL GREY 20L	EPIC1820
EPIC IND ENAMEL LIGHT GREY 20L	EPIC1720
EPIC IND ENAMEL LT GREY N35 1L	EPIC5901
EPIC IND ENAMEL LT GREY N35 4L	EPIC5904
EPIC IND ENAMEL LT GRY N35 20L	EPIC5920
EPIC IND ENAMEL WARATAH R14 1L INDUSTRIAL ENAMEL	EPIC1001
EPIC IND ENAMEL WARATH R14 4L INDUSTRIAL ENAMEL	EPIC1004
EPIC IND ENAMEL WHITE 1L	EPIC5401
EPIC IND ENAMEL WHITE 4L INDUSTRIAL ENAMEL	EPIC5404
EPIC IND.ENAMEL ACTIVATOR 0.5L	EPIC5809
EPIC INDUSTRIAL ENAMEL BLK 1L	EPIC5601
EPIC INDUSTRIAL ENAMEL BLK 20L	EPIC5620
EPIC INDUSTRIAL ENAMEL BLK 4L	EPIC5604
EPIC INDUSTRIAL ENAMEL COL 1L	EPIC5501
EPIC INDUSTRIAL ENAMEL COL 20L	EPIC5520
EPIC INDUSTRIAL ENAMEL COL 4L	EPIC5504
EPIC INDUSTRIAL ENAMEL CTB 19L	EPIC5519
EPIC INDUSTRIAL ENAMEL CTB 3.8L	EPIC5503
EPIC INDUSTRIAL ENAMEL WHT 20L	EPIC5420

Recommended use: SURFACE COATING

Supplier: Nutech Paint Pty Ltd
ABN: 94 242 116 396
Street Address: 4 Keppler Circuit

Seaford VIC 3198
Australia **03 9770-**
Telephone: 3000 03 9775-
Facsimile: 1680
Emergency Telephone number:
03 9770-3000 (7:45 am-4:30 pm; Mon-Fri, AEST)

2.HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia.

Signal Word
Danger

Hazard Classifications

Flammable Liquids - Category 2
Aspiration Hazard - Category 1
Skin Corrosion/Irritation - Category 2
Eye Damage/Irritation - Category 2A
Specific Target Organ Toxicity (Single Exposure) - Category 3 Respiratory Tract Irritation
Specific Target Organ Toxicity (Single Exposure) - Category 3 Narcotic Effects
Specific Target Organ Toxicity (Repeated Exposure) - Category 2
Chronic Hazard to the Aquatic Environment - Category 2

Hazard Statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Prevention Precautionary Statements

P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, lighting and all other equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P260	Do not breathe dust, fume, gas, mist, vapours or spray.
P264	Wash hands, face and all exposed skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing including eye/face protection and suitable respirator.

Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 P331	Get medical advice/attention if you feel unwell.
P332+P313	Do NOT induce vomiting.
P337+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	If eye irritation persists: Get medical advice/attention.
P370+P378	Take off contaminated clothing and wash it before reuse
P391	In case of fire: Use (insert appropriate media) to extinguish. Collect spillage.

Storage Precautionary Statements

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Disposal Precautionary Statement

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

Poison Schedule: S5. Caution

DANGEROUS GOOD CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Dangerous Goods Class: 3

3.COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Methoxy Propyl Acetate	108-65-6	1 – 10 % (w/w)
Solvent naphtha, petroleum, light aromatic	64742-95-6	10 – 30 % (w/w)
Xylene	1330- 20-7	1 – 10 % (w/w)
Stoddard solvent	8052- 41-3	10 - 30 % (w/w)
Cyclohexane, methyl-	108-87-2	10 - 30 % (w/w)
Ingredients determined to be Non-Hazardous		Balance

4.FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to

Doctor or Hospital.

Ingestion: Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Immediately call Poisons Centre or Doctor.

Notes to physician: Treat symptomatically.

5.FIRE FIGHTING MEASURES

Hazchem Code: •3YE

Suitable extinguishing media: If material is involved in a fire use alcohol resistant foam or dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Highly flammable liquid and vapour. May form flammable vapour mixtures with air.

Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

Fire fighting further advice: Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

6.ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: 14

7.HANDLING AND STORAGE

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

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Class 3 Flammable Liquid as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison Schedule 5 (Caution) and must be stored, maintained and used in

8.EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
1-Methoxy-2-propanol acetate	50	274	100	548	Sk
Methylcyclohexane	400	1610	-	-	-
White spirits	-	790	-	-	-
Xylene	80	350	150	655	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

'Sk' Notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

Personal Protection Equipment: SAFETY SHOES, OVERALLS, GLOVES, CHEMICAL GOGGLES, RESPIRATOR.

Wear safety shoes, overalls, gloves, chemical goggles, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9.PHYSICAL AND CHEMICAL PROPERTIES

Base Units:	Litres
Form:	Viscous Liquid
Colour:	White or Coloured
Odour:	Distinct Aromatic Hydrocarbon odour
Solubility:	
Solubility in water:	Insoluble in Water
Specific Gravity (20 °C):	0.175 grams per Litre
Relative Vapour Density (air=1):	0.95-1.08 3.35 4.5
Vapour Pressure (20 °C):	kPa -6 1.0 - 8.0 230-
Flash Point (°C):	530 95 N/APP 2.2 510
Flammability Limits (%):	- 560
Autoignition Temperature (°C):	
Boiling Point/Range (°C):	
pH:	
Evaporation Rate (n-Butyl acetate=1):	
Total VOC (g/Litre):	

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

10.STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures and sources of ignition.

Incompatible materials: Oxidising agents.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions: No known hazardous reactions.

11.TOXICOLOGICAL INFORMATION

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

Acute Effects

Inhalation: Material is an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

Skin contact: Contact with skin will result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema.

Eye contact: An eye irritant.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20 mg/L

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on

ingredients): >2,000 mg/Kg

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg
Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as a Category 2 Hazard (reversible effects to skin).
Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.
Aspiration hazard: This material has been classified as Aspiration Hazard – Category 1

Specific target organ toxicity (single exposure): This material has been classified as a Category 3 Hazard. Exposure via inhalation may result in respiratory irritation. This material has been classified as a Category 3 Hazard. Exposure via inhalation may result in depression of the central nervous system.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as a Category 2 Hazard.

12.ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L
Long-term aquatic hazard: This material has been classified as a Category Chronic 2 Hazard. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): 1 - 10 mg/L, where the substance is not rapidly degradable and/or BCF ≥ 500 and/or log Kow ≥ 4.
Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13.DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.
If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14.TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the “Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

UN No: Dangerous Goods Class:	1263 3
Packing Group: Hazchem Code:	II •3YE
Emergency Response Guide No:	14
Proper Shipping Name:	PAINT

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.

UN No:	1263 3
Dangerous Goods Class:	II
Packing Group:	PAINT
Proper Shipping Name:	

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No:	1263 3
Dangerous Goods Class:	II
Packing Group:	PAINT
Proper Shipping Name:	

15.REGULATORY INFORMATION

This material/constituent(s) is covered by the following requirements:

•The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the

Therapeutic Goods Act (Commonwealth).
•All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

HSNO Group Standard: HSR002662 - Surface Coatings and Colourants (Flammable) Group Standard

16.OTHER INFORMATION

Reasons for issue: Revised

5 Yearly Revision
Change in Hazardous Substance Classification

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.
Safety Data Sheets are updated frequently. Please ensure you have a current copy.