MSDS BL041 Benzyl Alcohol

Date of Issue/re-issue**:- 21.02.2018**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company Name	**ECP LTD**
Address:	39 Woodside Ave, Northcote, Auckland , New Zealand
Emergency Tel:	NZ: 0800 154 666 (24 h)
Telephone:	09 480 4386
Fax	09 480 4385
Product	Benzyl Alcohol BL041
Synonyms	Phenyl carbinol or benzenemethanol
Tracked Substance?:	No
Regulatory Classification numbers	
CAS Number:	100-51-6
UN Number:	N/A
HSNO Approval Number:	HSR001039
DG Class :	NA
Secondary DG Class (if any):	NA
Packing group:	NA

Recomended use: Laboratory testing and investigations

2. Hazards Identification

Hazard Classification

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012Transport of Dangerous Goods on Land.

New Zealand Specific classification of the substance/mixture:
6.1D (Oral) - Substance that is acutely toxic
6.1D (Dermal) - Substance that is acutely toxic
6.4A Substance that is irritating to the eyes
6.5B Substance that is a contact sensitiser
9.1D Substance that is slightly harmful to the aquatic environment or is otherwise designed for biocidal action
9.2B Substance that is ecotoxic in the soil environment
9.3C Substance that is harmful to terrestrial vertebrates

GHS Hazard statement(s):
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H402 Harmful to aquatic life.
H422 Toxic to the soil environment.
H433 Harmful to terrestrial vertebrates.

Precautionary statement | Prevention:
P102 Keep out of reach of children. This statement applies only where the substance is available to the general public.
P103 Read label before use. This statement applies only where the substance is available to the general public.
P104 Read Safety Data Sheet before use.
P264 Wash contaminated skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement | Response:
GENERAL
P101 If medical advice is needed, have product container or label at hand.
P391 Collect spillage.
INGESTION
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P331 Do NOT induce vomiting.
EYE
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
SKIN
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statement | Disposal:
P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the

	disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.
Risk Phrase(s)	R20/22 Harmful by inhalation and if swallowed.
Safety Phrase(s)	S24/25 Avoid contact with skin and eyes. S37/39 Wear suitable gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	**Name**	**CAS**	**Proportion**
	Benzyl Alcohol	100-51-6	100 %

4. FIRST AID MEASURES

Inhalation	If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.
Skin	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye	If dust in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention
First Aid Facilities	Eyewash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use carbon dioxide, dry chemical or foam.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.
Specific Hazards	Combustible liquid. This product will readily burn under fire conditions.
Precautions in connection with Fire	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

Unsuitable Extinguishing Media	Do not use water jet.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standards have been established for this material by Safe Work, Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.
Biological Limit Values	No biological limits allocated.
Engineering Controls	Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
Eye Protection	Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material e.g. PVC or rubber gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Odour	Faint aromatic odour
Melting Point	-15.3°C
Boiling Point	203 - 209°C
Solubility in Water	Miscible
Specific Gravity	1.043 - 1.046
pH Value	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Colour	Water white
Flash Point	101°C
Flammability	Combustible liquid
Auto-Ignition Temperature	428°C
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available
Molecular Weight	108.14

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat, flames and other sources of ignition.
Incompatible Materials	Acids, oxidizing agents and aluminium. Will attack some plastics.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide and oxides.
Hazardous Reactions	When heated past 100°C, benzyl alcohol containing hydrogen bromide and dissolved iron may poymerize with a rapid increase in temperature. Explosive peroxides can be formed in alcohols stored for several years. Undergoes slow oxidation in the presence of air or oxygen to form benzaldehyde and benzoic acid.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	Acute toxicity data for product is given below:
Inhalation	Harmful by inhalation. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.
Ingestion	Harmful if swallowed. Ingestion of this product can cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.
Skin	Skin contact may cause mechanical irritation resulting in redness and itching.
Eye	Eye contact may cause mechanical irritation. May result in mild abrasion.
Chronic Effects	Chronic exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysaema and asthma. Onset and progression are related to dust concentrations and duration of exposure.
Acute Toxicity - Oral	LD50 (Wild birds): 100 mg/kg. LD50 (Mice): 1580 mg/kg.
Acute Toxicity - Inhalation	LD50 (Rat): 1000 ppm/8 hours.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological data are available for this material.
Persistence / Degradability	Not available

Mobility	Not available
Bioaccumulative Potential	Not available
Environment Protection	Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information	Not classified as Dangerous Goods for transport according to the NZS 5433:2012 Transport of Dangerous Goods on Land. Marine Transport (IMO/IMDG): Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. Air Transport (ICAO/IATA): Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
IMDG Marine Pollutant (MP)	No

15. REGULATORY INFORMATION

Regulatory Information	
National and or International Regulatory Information	Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand. HSNO (CCID) Name: Benzenemethanol
HSNO Approval Number	HSR001039
Hazard Category	Harmful
AICS (Australia)	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

16. Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, the information is not a guarantee expressed or implied, with respect to such information, and we assume no liability resulting from its use. Anyone

using the chemical described here should ensure that he or she has the appropriate training and has the expertise and any equipment required for safe handling. If clarification or further information is required, please contact ECP Ltd or refer to the official handler of dangerous goods within your own company. The user should also make their own investigations to determine the suitability of the product for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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