

SAFETY DATA SHEET

M-Bond 300 Catalyst





ACCORDING TO: Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, 2020) & GHS 7

Date of Issue: 27/02/2023
Date of First Issue: 27/02/2023
Version: 1.1

SECTION 1: IDENTIFICATION

1.1	Product identifier used on the label	M-Bond 300 Catalyst
	Other means of identification	None
1.2	Recommended use of the chemical and restrictions on use	
	Recommended use	Adhesives.
	Restrictions on use	None Known
1.3	Suppliers name, address and telephone number	
	Supplier	VISHAY MEASUREMENTS GROUP, INC.
	Address of Supplier	Post Office Box 27777 Raleigh, NC 27611 USA
	Telephone	+1 919-365-3800 / +1 919-365-3945
	E-Mail (competent person)	mm.us@vpgsensors.com
	Importer/Distributor name, address and telephone number	
	Name	
	Company Address	
	Telephone	
1.4	Emergency telephone number	1-800-424-9300 (24 hours) 61-290372994 (for spills and releases) CHEMTREC (U.S.)

SECTION 2: HAZARD(S) IDENTIFICATION

2.1	Classification of the substance or mixture	
2.1.1	In accordance with the Safe Work Australia model Work Health and Safety Regulations (2020) & GHS 7	Organic peroxides, Type D; H242 Acute toxicity - Category 4; H302 Skin corrosion, Sub-category 1B; H314 Eye damage, category 1; H318 Acute toxicity - Category 4; H332 Specific target organ toxicity — single exposure - Category 3; H335 Germ cell mutagen, Category 2; H341 Reproductive - Category 2; H361
2.2	GHS Label elements, including precautionary statements	
	Product Name	M-Bond 300 Catalyst
	Hazard Pictogram(s)	   
	Signal Word(s)	DANGER

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Hazard Statement(s)

H242: Heating may cause a fire.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H341: Suspected of causing genetic defects.
H361: Suspected of damaging fertility or the unborn child.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234: Keep only in original packaging.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P370+P380+P375: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER/doctor if you feel unwell.

2.3 Other Hazards that do not Result in Classification None Known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Not applicable

3.2 Mixtures Substances in preparations / mixtures
GHS Classification

Chemical identity of the substance	%W/W	CAS No.	EC No.	Hazard classification
Methyl ethyl ketone peroxide	34	1338-23-4	215-661-2/ 700-954-4	Organic peroxides, Type D; H242 Acute toxicity - Category 4; H302 Acute toxicity - Category 4; H312 Skin corrosion, Sub-category 1B; H314 Eye damage, category 1; H318 Acute toxicity - Category 4; H332 Specific target organ toxicity — single exposure - Category 3; H335 Germ cell mutagen, Category 2; H341
2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate	20	6846-50-0	229-934-9	Reproductive - Category 2; H361 Hazardous to the aquatic environment - Category 3; H412
Methyl ethyl ketone	2	78-93-3	201-159-0	Flammable Liquid - Category 2; H225 Eye Damage/Irritation - Category 2A; H319 Specific target organ toxicity — single exposure - Category 3; H335 Specific target organ toxicity — single exposure - Category 3; H336 AUH066
Hydrogen peroxide	1	7722-84-1	231-765-0	Oxidising liquid - Category 1; H271 Acute toxicity - Category 4; H302 Skin corrosion, Sub-category 1A; H314 Acute toxicity - Category 4; H332 Specific target organ toxicity — single exposure - Category 3; H335 Hazardous to the aquatic environment - Category 3; H412

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MICRO
MEASUREMENTS

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SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

First aid facilities

Self-protection of the first aider

Inhalation

Skin Contact

Eye Contact

Ingestion

Eyewash facilities should be stationed close to workplace where possible.

Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Contaminated clothing should be laundered before reuse. Do not breathe vapour. Ensure adequate ventilation. Wear suitable respiratory protective equipment if exposure to high levels of material are likely. Do not use mouth-to-mouth resuscitation.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention.

IF ON SKIN: Remove contaminated clothing and wash all affected areas with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. IF SWALLOWED: Rinse mouth. Make victim drink plenty of water. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless instructed to do so by medical personnel. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

May be harmful if swallowed. Causes severe skin burns and eye damage. Suspected of damaging fertility or the unborn child.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

Notes to a physician:

IF IN EYES:

Treatment by an ophthalmologist due to possible caustic burn of the eyes may be required.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

As appropriate for surrounding fire. Extinguish preferably with waterspray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing Media

Do not use water jet. Direct water jet may spread the fire.

5.2 Special hazards arising from the chemical

Heating may cause a fire or explosion. May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon dioxide and Acrid smoke. May form explosive mixture with air particularly in enclosed spaces.

5.3 Special protective equipment and precautions for fire fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

5.4 Hazchem Code

●2WE

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Stop leak if safe to do so. Eliminate all ignition sources if safe to do so. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin, eyes or clothing. Avoid breathing vapours. Ensure suitable personal protection during removal of spillages. See Section: 8.

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- 6.2 Environmental precautions** Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.
- 6.3 Methods and material for containment and cleaning up** Use non-sparking equipment when picking up flammable spill. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Dispose of this material and its container as hazardous waste. Ventilate the area and wash spill site after material pick-up is complete.

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Ensure operatives are trained to minimise exposures. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid all contact. Do not breathe vapour. Ensure adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. May form explosive peroxides. Take precautionary measures against static discharges. Use personal protective equipment as required. See Section: 8. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep from direct sunlight.
- Storage temperature Store at temperatures not exceeding (°C): 27°C. SADT 6 0°C.
Storage life Stable under normal conditions.
Incompatible materials Keep away from: Aerosol, Flammable liquid, Oxidizing agents, Reducing agents, Acids, strong bases, metals (and their alloys), Sulphur products, Amines and Corrosive Substances. Avoid impurities (e.g. rust, dust, ash), risk of decomposition.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

- 8.1 Control Parameters**
8.1.1 Occupational Exposure Limits

Chemical name	Synonym(s)	CAS No.	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Advisory carcinogen category	Other advisory information	Notes
Methyl ethyl ketone peroxides	MEKP	1338-23-4	0.2 peak limitation	1.5 peak limitation	-	-	-	-	-
Methyl ethyl ketone (MEK)	MEK 2-Butanone	78-93-3	150	445	300	890	-	-	-
Hydrogen peroxide	--	7722-84-1	1	1,4	-	-	-	-	-

Source: Safe Work Australia Workplace Exposure Standards for Airborne Contaminants (2019)

- 8.1.2 Biological exposure indicies** Not established
- 8.2 Appropriate engineering controls** Ensure adequate ventilation. Atmospheric levels should be controlled in compliance with the occupational exposure limit. A washing facility/water for eye and skin cleaning purposes should be present.
- 8.2.2 Individual protection measures, such as personal protective equipment (PPE)** General hygiene measures for the handling of chemicals are applicable. Keep good industrial hygiene. Avoid all contact. Avoid breathing vapours. Wash hands before breaks and after work. Keep work clothes separately. Do not eat, drink or smoke at the work place.

Eye/face protection



Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).

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Skin protection



Hand protection:

Wear impervious gloves. Protective index 6, corresponding > 480 minutes of permeation time. Gloves should be changed regularly to avoid permeation problems. (Recommended: EN374) Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Recommended: PVC / Nitrile rubber

Suitable materials: Polyethylene-Laminate (Minimum thickness 0.1mm)

Body protection:

Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact. For large quantities - Wear apron or other light protective clothing. Recommended: Polyethylene.

Respiratory protection



In case of inadequate ventilation wear respiratory protection. A suitable mask with filter type A (EN141 or EN405) may be appropriate.

Thermal hazards

Not applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid Almost colourless
Odour	Ether-like Odour
Odour threshold	Not available
pH	Not established.
Melting point and freezing point	Not available
Boiling point or initial boiling point and boiling range	66°C
Flash point	-14 °C (Mixture)
Evaporation rate	8 (BuAc = 1)
Flammability	Not applicable - Liquid
Lower and upper explosion limit or lower and upper flammability limit	Flammable Limits (Upper) (%v/v): 11.8 (Acetone) Flammable Limits (Lower) (%v/v): 1.8 (Acetone)
Vapour pressure	129 (mmHg) @ 20°C
Relative vapour density	2.4 (Air = 1)
Density and Relative density	0.9 (H ₂ O = 1)
Solubility	Water: >50%
Partition coefficient n-octanol/water (log value)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Kinematic viscosity	Not established.
Specific heat	Not established.
Saturated Vapour Concentration	Not established.
Release of invisible flammable vapours and gases	Not applicable
Particle characteristics	Not applicable (Liquid)
Particle size distribution	Not applicable (Liquid)
Shape and aspect ratio	Not applicable (Liquid)
Crystallinity	Not applicable (Liquid)
Level of dustiness	Not applicable (Liquid)
Surface Area	Not applicable (Liquid)
Degree of aggregation or agglomeration, and dispersibility	Not applicable (Liquid)
Redox potential	Not established.
Biodurability or biopersistence	Not established.
Surface coatings	Not established.

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9.2 Additional parameters

Volatile Organic Compound Content
Explosive properties
Oxidising properties

Volatile Organic Compound Content: 712 g/L
Heating may cause a fire or explosion.
Not oxidising.

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions. May form peroxides on prolonged storage if air is present.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	The vapour may be invisible, heavier than air and spread along ground. May form explosive peroxides. Contact with aliphatic amines will cause irreversible polymerization with considerable heat build-up.
10.4	Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from direct sunlight. Keep at a temperature not exceeding (°C): 32. Avoid contact with air. Avoid contact with heat and ignition sources and oxidizers. Avoid distillation to dryness, which can form explosive peroxides.
10.5	Incompatible materials	Oxidizing agents, corrosive Substances, Reducing agent, Strong Acids and Alkalis
10.6	Hazardous decomposition product(s)	May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon dioxide, Phenolic and Explosive Peroxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects (Substances in preparations / mixtures) Acute toxicity Ingestion	Mixture: Acute toxicity Category 4; May be harmful if swallowed. Calculated acute toxicity estimate (ATE): estimated LD50: > 2000 - < 5,000 mg/kg. Methyl ethyl ketone peroxide Acute toxicity, Category 4: Harmful if swallowed. LD50 (oral, rat) mg/kg: 1017 (OECD 401) Hydrogen peroxide Acute toxicity, Category 4: Harmful if swallowed. LD50 (oral, rat) mg/kg: 1026 (OECD 401)
11.1.1	Inhalation	Mixture: Acute toxicity Category 4; May be harmful if inhaled. Calculated acute toxicity estimate (ATE): estimated LC50 > 20 mg/l (Vapour). Methyl ethyl ketone peroxide Acute toxicity, Acute toxicity Category 4; May be harmful if inhaled. (Hazardous Chemical Information System (HCIS)) LD50 (oral, rat) mg/kg: 1017 (OECD 401) Hydrogen peroxide Acute toxicity Category 4; May be harmful if inhaled. (Hazardous Chemical Information System (HCIS))
11.1.2	Dermal	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE): estimated LD50: >5,000 mg/kg.
11.1.3	Skin corrosion/irritation	Mixture: Skin corrosion, Sub-category 1B, H314: Causes severe skin burns and eye damage. Methyl ethyl ketone peroxide Skin corrosion, Sub-category 1B, H314: Causes severe skin burns and eye damage. (Hazardous Chemical Information System (HCIS)) Hydrogen peroxide Skin corrosion, Sub-category 1A, H314: Causes severe skin burns and eye damage. (Hazardous Chemical Information System (HCIS))
11.1.4	Serious eye damage/irritation	Mixture: Eye Damage, Category 1: Causes serious eye damage. Methyl ethyl ketone peroxide Eye damage, category 1, H318: Causes serious eye damage. (Hazardous Chemical Information System (HCIS)) Methyl ethyl ketone Eye Damage/Irritation Category 2A, H319: Causes serious eye irritation. (Hazardous Chemical Information System (HCIS))
11.1.5	Respiratory or skin sensitization	Mixture: Based upon the available data, the classification criteria are not met.

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11.1.6	Germ cell mutagenicity	Mixture: Germ cell mutagen, Category 2; H341: Suspected of causing genetic defects.
	Methyl ethyl ketone peroxide	Germ cell mutagen, Category 2; H341: Suspected of causing genetic defects. (Hazardous Chemical Information System (HCIS))
11.1.7	Carcinogenicity	Mixture: Based upon the available data, the classification criteria are not met.
11.1.8	Reproductive toxicity	Mixture: Reproductive toxicity, Category 2: H361: Suspected of damaging fertility or the unborn child.
	2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate	Reproductive toxicity, Category 2: H361: Suspected of damaging fertility or the unborn child.
11.1.9	STOT - single exposure	ECHA Registration Endpoint summary Mixture: Specific target organ toxicity — single exposure - Category 3; H335: May cause respiratory irritation.
	Methyl ethyl ketone peroxide	Specific target organ toxicity — single exposure - Category 3; H335: May cause respiratory irritation. (Hazardous Chemical Information System (HCIS))
11.1.10	STOT - repeated exposure Aspiration hazard	Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met.
11.1.11	Information on likely routes of exposure	
	Inhalation	Possible route of exposure.
	Ingestion	Possible route of exposure.
	Skin Contact	Possible route of exposure.
	Eye Contact	Possible route of exposure.
11.1.12	Early onset symptoms related to exposure	Harmful if swallowed. Harmful if inhaled. Causes severe skin burns and eye damage. Harmful in contact with skin. May cause respiratory irritation.
11.1.13	Delayed health effects from exposure	Suspected of causing genetic defects. Suspected of damaging fertility or the unborn child.
11.1.14	Exposure levels and health effects	See section 8
11.1.15	Interactive effects	None Known
11.2	Other information	None Known
	NTP Report on Carcinogens	No components listed.
	IARC Monographs	Hydrogen peroxide: Group 3

SECTION 12: ECOLOGICAL INFORMATION

12.1	Ecotoxicity	Mixture: Based upon the available data, the classification criteria are not met. Estimated Mixture LC50 <50 mg/l (Fish)
12.2	Persistence and degradability	No data for the mixture as a whole.
	Methyl ethyl ketone peroxide	Readily biodegradable.
	2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate	Degradation in water (28 days) – 87% (OECD 301 D) Readily biodegradable.
	Methyl ethyl ketone	Degradation in water (28 days) – 70.73% (OECD 301 B) Readily biodegradable.
	Hydrogen peroxide	Water % Degradation: 98% (28 days) (Unnamed publication, 1998) Degradation in soil is rapid due to the occurrence of high concentrations of catalytic material.
12.3	Bioaccumulative potential	No data for the mixture as a whole.
	Methyl ethyl ketone peroxide	Can be waived on basis of log Kow < 3
	2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate	Not anticipated to bioaccumulate BCF: <500 (OECD 305)
	Methyl ethyl ketone	Low bioaccumulation potential.

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	Hydrogen peroxide	Hydrogen peroxide is reactive and short-lived polar substance and no bioaccumulation is expected.	
12.4	Mobility in soil	No data for the mixture as a whole.	
		Methyl ethyl ketone peroxide	The substance has moderate mobility in soil. Log Koc: 2.52 (Unnamed publication, 2018)
	2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate	The substance has moderate mobility in soil. Log Koc: 3.51 (Meylan et al. 1992)	
	Methyl ethyl ketone	The substance is predicted to have high mobility in soil. EU ECHA Registration Endpoint summary	
12.5	Other adverse effects	Hydrogen peroxide	The substance is predicted to have high mobility in soil.
			None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Safe handling and disposal methods	Do not release undiluted and unneutralised to the sewer. Dispose of contents in accordance with local, state or national legislation. Dispose of this material and its container as hazardous waste.
13.2	Disposal of contaminated packaging	Containers of this material may be hazardous when empty since they retain product residue. Handle contaminated packages in the same way as the substance itself.
13.3	Environmental regulations	Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

	ADG	IMDG	IATA/ICAO
14.1	UN number	UN 3105	UN 3105
14.2	Proper Shipping Name	Organic peroxides, Type D, Liquid	Organic peroxides, Type D, Liquid
14.3	Transport hazard class(es)	5.2	5.2
14.4	Packing group	Not classified	Not classified
14.5	Environmental hazards	Not classified as a Marine Pollutant.	Not classified as a Marine Pollutant.
14.6	Special precautions for user	See Section: 2	
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	
14.8	Hazchem code	●2WE	

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.2	International Regulations (for example) Montreal Protocol/Stockholm Convention/ Rotterdam Convention/ Basel Convention / MARPOL	All chemicals are not listed
15.3	National Regulations	All components are listed on AICS
	Australian Inventory of Chemical Substances (AICS)	All chemicals are not listed
	NICNAS - Priority Existing Chemicals	Methyl ethyl ketone peroxide: Tier II: Human Health Assessment
	NICNAS - IMAP Framework	2,2,4-trimethyl-1,3-pentanediol diisobutyrate: Tier I: Human Health Assessment
		Methyl ethyl ketone: Tier I: Environment Assessment Tier II: Human Health Assessment
	NICNAS - High Volume Industrial Chemical List	Hydrogen peroxide: Tier I: Environment Assessment Tier II: Human Health Assessment
	National Pollutant Inventory	Methyl ethyl ketone: Threshold Range: Between 1,000 and 9,999 tonnes Hydrogen peroxide: Threshold Range: Between 10,000 and 99,999 tonnes Methyl ethyl ketone peroxide: VOC - Threshold Category = 1a, Threshold = 25 tpa/a design capacity of 25 kilotonnes for bulk storage facilities; Threshold Category = 2a, Threshold = 400 tpa/1 tph; Threshold Category = 2b, Threshold = 2,000 tpa/60,000 MWh/rated at 20 MW

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

Methyl ethyl ketone: Threshold Category = 1, Threshold = 10 tpa
Methyl ethyl ketone peroxide: Schedule 5
Methyl ethyl ketone: Schedule 5, Schedule 9
Hydrogen peroxide: Schedule 5, Schedule 6, Schedule 10

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: not applicable – V1.0

Version: 1.0

Revision Date: not applicable – V1.0

Date of First Issue: 18 August 2021

References:

EU classification and labelling inventory for Methyl ethyl ketone peroxide (CAS No. 1338-23-4), 2,2,4-trimethyl-1,3-pentanediol diisobutyrate (CAS No. 6846-50-0)

Harmonised Classification(s) for Methyl ethyl ketone (CAS No. 78-93-3) and hydrogen peroxide (CAS No. 7722-84-1).

Existing Safety Data Sheet (SDS)

ECHA registration dossier for Methyl ethyl ketone peroxide (CAS No. 1338-23-4), 2,2,4-trimethyl-1,3-pentanediol diisobutyrate (CAS No. 6846-50-0), methyl ethyl ketone (CAS No. 78-93-3), hydrogen peroxide (CAS No. 7722-84-1).

The mixture is classified in accordance with Safe Work Australia model Work Health and Safety Regulations (2020) & GHS 7

LEGEND

ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
BCF	Bioconcentration factor
IATA	International Air Transport Association
IARC	International Agency for Research on Cancer
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
LTEL	Long term exposure limit
NICNAS	National Industrial Chemicals Notification and Assessment Scheme
NTP	National Toxicology Program
QSAR	Quantitative structure-activity relationship
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL	Short term exposure limit
TWA	Time Weighted Average

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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