

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 08.09.2021

Revision: 08.09.2016

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY**Product Name:** CONTACT ADHESIVE 102**Other Means of Identification:** Mixture**Other Name:** Contact adhesive**Recommended Use of the Chemical and Restriction on Use:** Contact adhesive.**Details of Manufacturer or Importer:**Chemical Technology Pty Ltd
2/20 Metrolink Circuit
Campbellfield VIC 3061
Australia**Phone Number:** 03 9462 3730**Emergency telephone number:** 0431 481 661**2 . HAZARDS IDENTIFICATION****Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Acute 2 H401 Toxic to aquatic life.

Signal Word Danger**Hazard Statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

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H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P240 Ground/bond container and receiving equipment.
- P242 Use only non-sparking tools.
- P273 Avoid release to the environment.
- P243 Take precautionary measures against static discharge.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- 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/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see on this label).
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P314 Get medical advice/attention if you feel unwell.
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
- P391 Collect spillage.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national regulations.

Additional Information AUH066 Repeated exposure may cause skin dryness or cracking.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

108-88-3	Benzene, methyl-			0 - <50%
	Flam. Liq. 2, H225;	Repr. 2, H361; STOT RE 2, H373;	Skin Irrit. 2, H315	
107-83-5	2-methylpentane			0 - <50%
	Flam. Liq. 2, H225;	Asp. Tox. 1, H304;	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	

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78-93-3	2-Butanone	0 - <50%
	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	
110-54-3	Hexane	0 - <5%
	Flam. Liq. 2, H225; Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304;	
	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May be harmful if inhaled. May cause respiratory irritation. May cause drowsiness and dizziness, headache, shortness of breath, nausea and fatigue. High concentrations can cause Central nervous System (CNS) depression, incoordination, impaired judgement, unconsciousness and death.

Skin Contact: Causes skin irritation, redness and rash.

Eye Contact: Causes serious eye irritation, redness, tearing and swelling.

Ingestion: May cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhoea. May cause CNS depression leading to muscular weakness, dizziness and drowsiness, confusion, headache, unconsciousness and death. May be fatal if swallowed and enters airways.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Foam, dry chemical or carbon dioxide. Do not use full water Jets.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and magnesium, hydrogen chloride, chloroprene, formaldehyde and phenolic derivatives.

Product is highly flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

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Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Do NOT use combustible absorbent materials such as sawdust. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. DO NOT use or store in a confined space. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames, hot surfaces and direct sunlight. Keep away from strong oxidising agents. Protect containers from physical damage. Do not pressurise, weld, cut or drill on full or empty containers. Residue may ignite explosively if heated.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

108-88-3 Benzene, methyl-

WES	STEL: 574 mg/m ³ , 150 ppm
	TWA: 191 mg/m ³ , 50 ppm
	Sk

78-93-3 2-Butanone

WES	STEL: 890 mg/m ³ , 300 ppm
	TWA: 445 mg/m ³ , 150 ppm

110-54-3 Hexane

WES	TWA: 72 mg/m ³ , 20 ppm
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107-83-5 2-methylpentane

WES	STEL: 3500 mg/m ³ , 1000 ppm
	TWA: 1760 mg/m ³ , 500 ppm

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection:

Use an approved organic vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Impervious gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the

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frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Liquid
Colour:	Light yellow
Odour:	Typical hydrocarbon odour
Odour Threshold:	No information available
pH-Value:	Not applicable
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	>50 °C
Flash Point:	<-20 °C (Closed Cup)
Flammability:	Highly flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density:	~0.84
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	No information available

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:

Hazardous polymerisation will not occur.

Hazardous reactions may occur on contact with strong oxidising agents.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces and direct sunlight.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products:

Oxides of carbon and magnesium, hydrogen chloride, chloroprene, formaldehyde and phenolic derivatives.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

108-88-3 Benzene, methyl-

Oral	LD ₅₀	5000 mg/kg (rat)
Dermal	LD ₅₀	12124 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	5320 mg/l (mouse)

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78-93-3 2-Butanone		
Oral	LD ₅₀	3300 mg/kg (rat)
Dermal	LD ₅₀	5000 mg/kg (rabbit)

Acute Health Effects**Inhalation:**

May be harmful if inhaled. May cause respiratory irritation. May cause drowsiness and dizziness, headache, shortness of breath, nausea and fatigue. High concentrations can cause Central nervous System (CNS) depression, incoordination, impaired judgement, unconsciousness and death.

Skin: Causes skin irritation, redness and rash.

Eye: Causes serious eye irritation, redness, tearing and swelling.

Ingestion:

May cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhoea. May cause CNS depression leading to muscular weakness, dizziness and drowsiness, confusion, headache, unconsciousness and death. May be fatal if swallowed and enters airways.

Skin Corrosion / Irritation: Causes skin irritation.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Toluene is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity:

Suspected of damaging fertility or the unborn child.

Benzene, methyl- is classified by Safe Work Australia as Toxic to Reproduction Category 1.

n-Hexane is classified by Safe Work Australia as Toxic to Reproduction Category 3.

Specific Target Organ Toxicity (STOT) - Single Exposure: May cause drowsiness and dizziness.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Chronic Health Effects:

Prolonged and repeated exposure can cause CNS depression leading to unconsciousness and death. May cause damage to the liver and kidneys.

Repeated exposure may cause skin dryness or cracking.

Existing Conditions Aggravated by Exposure:

This product may aggravate existing skin sensitisation and dermatitis.

12 . ECOLOGICAL INFORMATION**Ecotoxicity:**

Aquatic toxicity: Toxic to aquatic life with long lasting effects.

Persistence and Degradability: No further relevant information available.

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.

Other adverse effects: No further relevant information available.

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13 . DISPOSAL CONSIDERATIONS**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number	UN1133
ADG, IMDG, IATA	
Proper Shipping Name	ADHESIVES, ENVIRONMENTALLY HAZARDOUS (2-methylpentane, Hexanes)
ADG	
IMDG	ADHESIVES (2-methylpentane, Hexanes), MARINE POLLUTANT
IATA	ADHESIVES
Dangerous Goods Class	
ADG Class:	3 Flammable liquids.
Packing Group:	
ADG, IMDG, IATA	II
Marine pollutant:	Yes
	Symbol (fish and tree)
EMS Number:	F-E,S-D
Hazchem Code:	.3YE
Limited Quantities:	5L
Packagings & IBCs - Packing Instruction:	P001, IBC02
Packagings & IBCs - Special Packing Provisions:	PP1
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1, TP8

15 . REGULATORY INFORMATION**Australian Inventory of Chemical Substances:**

108-88-3	Benzene, methyl-
107-83-5	2-methylpentane
78-93-3	2-Butanone
110-54-3	Hexane

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

16 . OTHER INFORMATION**Date of Preparation or Last Revision:** 08.09.2016**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

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Abbreviations and acronyms:

ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC₅₀: Lethal concentration, 50 percent
LD₅₀: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Flam. Liq. 2: Flammable liquids – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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