CHIPQUIK® Polyurethane Glue Fast Set and Structural

Safety Data Sheet (SDS)

www.chipquik.com

To comply with European CLP Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878, US 29CFR 1910.1200 OSHA's Hazard Communication Standard, and Australian NOHSC: 1008 [2004] and ADG Code 7.4

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Chip Quik Polyurethane Glue Fast Set Series and Structural Series: CQ501, CQ502
SYNONYMS:
PART NUMBERS: CQ501-20G, CQ502-20G

MANUFACTURER: Chip Quik Inc.
ADDRESS: 931-3909 Witmer Rd., Niagara Falls, NY 14305 (USA)
3rd Floor, 207 Regent Street, London W1B 3HH (UK)
13 Adelaide Road, Dublin, Ireland, D02 P950 (EU)
8-1500 Sandhill Dr., Ancaster, ON L9G 4V5 (Canada)
42A Crimea Street, C/O A03886, Parramatta, NSW, 2150 (Australia)
PHONE: (508) 477-2264
EMERGENCY PHONE: (800) 424-9300 (USA and Canada 24/7 CHEMTREC)
+44 20 3868 7152 (UK and EU 24/7)
+61 2 8607 7057 (Australia 24/7)

REVISION DATE: 2023/12/13
REVISION NUMBER: 1.8
REVISED BY: Chip Quik Product Safety

PRODUCT USE: Liquid Polyurethane Adhesive

2. HAZARD IDENTIFICATION

Classified in accordance with European CLP Regulation 1272/2008

Carcinogenic	2	H351
Respiratory Sensitization	1	H334
Acute Toxicity (oral)	4	H302
Acute Toxicity (dermal)	4	H317
Eye Irritant	2	H319
Skin Irritant	2	H315
Skin Sensitization	1	H317
Specific Target Organ Toxicity (STOT) – Repeat Exposure (RE) Respiratory Tract Irritation	2	H332, H335
Specific Target Organ Toxicity (STOT) – Single Exposure (SE) Respiratory Tract Irritation	3	H332, H335

CHEMICAL NAME: NA
CHEMICAL FAMILY: Mixture
CHEMICAL FORMULA: Proprietary

ROUTES OF ENTRY: Inhalation, Ingestion, Skin/Eye Contact

TARGET ORGANS: NA

GHS/CLP:

Signal Word: Danger

GHS/CLP LABEL ELEMENTS:

Hazard statement(s)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary statement(s)

P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P233	Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/vapor/spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use in a well-ventilated area.
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.
P284	In case of inadequate ventilation wear respiratory protection.
P301/P330/P331/P310	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER/Doctor.
P303/P361/P352/P333/P313	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with soap & water. Get medical advice/attention if skin irritation or rash occurs or if you feel unwell.
P304/P340/312	IF INHALED: Remove victim to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P305/P351/338/P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call POISON CENTER/Doctor.
P308/P313	IF EXPOSED OR CONCERNED: Get medical advice/attention.
P342/P311	IF EXPERIENCING RESPIRATORY SYMPTOMS: Call POISON CENTER/Doctor.
P362	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P402/P404	Store in a dry place. Store in a closed container.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT:	May cause serious irritation. Do not allow material to come in contact with eyes.
SKIN CONTACT:	May cause allergic skin reaction.
INHALATION:	May cause irritation to the respiratory tract. Do not inhale.
INGESTION:	Harmful if swallowed. May cause irritation to the mouth, throat, and stomach. May cause abdominal discomfort, nausea, vomiting, and/or diarrhea.
CHRONIC:	Not established.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Occupational Asthma. Persons already sensitized to di-isocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e., type A1 according to standard EN 14387) is used.

SECTION 2 NOTES:
Chip Quik Inc. does not recommend, manufacture, market, or endorse any of its products for human consumption.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Classified in accordance with European CLP Regulation 1272/2008

Hazardous Ingredients	C.A.S. Number	EU Number	Weight Percent	EU Classification [(1)]
4,4'-Methylenediphenyl Diisocyanate	101-68-8	202-966-0	10-20	Carcinogenic 2 (H351) Acute Toxicity 4 (H332) STOT Repeat Exposure 2 (H373) Eye Irritant 2 (H319) STOT Single Exposure 3 (H335) Skin Irritant 2 (H315) Respiratory Sensitization 1 (H334) Skin Sensitization 1 (H317)
o-(p-isocyanato benzyl) phenyl isocyanate	5873-54-1	227-534-9	10-20	Carcinogenic 2 (H351) Acute Toxicity 4 (H332) STOT Repeat Exposure 2 (H373) Eye Irritant 2 (H319) STOT Single Exposure 3 (H335) Skin Irritant 2 (H315) Respiratory Sensitization 1 (H334) Skin Sensitization 1 (H317)
aromatic poly isocyanate prepolymer	99784-49-3		>50	Acute Toxicity 4 (H332) STOT Repeat Exposure 2 (H373) Eye Irritant 2 (H319) STOT Single Exposure 3 (H335) Skin Irritant 2 (H315) Respiratory Sensitization 1 (H334) Skin Sensitization 1 (H317)

SECTION 3 NOTES:
(1) EU Classification is for pure concentrations of the individual materials only, and represents classification under EU regulations. It does not represent classification of the mixture itself.

4. FIRST-AID MEASURES

EYES: Flush with plenty of water, contact a physician. If contact lenses can be removed easily, flush eyes without contact lenses.

SKIN: Remove contaminated clothing. Wash affected area with plenty of warm, soapy water. If irritation persists, seek medical attention.

INGESTION: Call a physician or Poison Control Center immediately. Rinse mouth with water. Give lots of water to drink. Do not induce vomiting.

INHALATION: Remove to fresh air. If not breathing, seek immediate medical attention.

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, foam

SPECIAL FIRE FIGHTING PROCEDURES: Do not use water. Use NIOSH-approved self-contained Breathing Apparatus and full protective clothing if involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NE

6. ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Only trained personnel should clean a spill. Evacuate all non-essential personnel. Ventilate spill area. Eliminate all ignition sources. Avoid breathing vapors, eye, and skin contact. Wear appropriate personal protective equipment.

Evacuate non-emergency personnel. Isolate the area and prevent access. Ensure adequate ventilation. Eliminate all ignition sources. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Transfer to a waste container. Scrape-up/off dried materials. The waste can then be disposed of in accordance with all applicable local, state, and federal regulations. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Collect spillage.

SECTION 6 NOTES:
See Sections 2, 4, and 7 for additional information.

7. HANDLING AND STORAGE

HANDLING/STORAGE: Keep containers tightly closed when not in use. Use care to avoid spills. Avoid inhalation of fumes or dust. Avoid contact with eyes, skin, and clothing. Do not ingest. Do not use near open flames and other ignition sources. Safety showers and eyewash stations should be available for use in the immediate work area.

Store in a closed corrosive resistant container, with corrosive resistant liner, in cool dry place. Wear appropriate personal protective equipment when working with or handling. Always wash hands thoroughly after handling this product. Dispose of following Federal, State/Provincial, and Local regulations.

OTHER PRECAUTIONS: Empty containers may retain product residues in vapor, liquid, and/or solid form. All labeled hazard precautions should be observed.

WORK HYGIENIC PRACTICES: Cosmetics/Food/Drink/Tobacco should not be consumed or used in work areas. Always wash hands after handling material and before applying or using cosmetics/food/drink/tobacco.

SECTION 7 NOTES:
Keep out of reach of children.
Not for internal consumption.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1.1 Occupational Exposure Limit Values:

USA		
	4,4'-Methylenediphenyl Diisocyanate	
	OSHA – Ceiling:	0.02 ppm
	ACGIH - TLV (Time-weighted average exposure limit 8 h (TLV - Adopted Value)):	0.005 ppm TWA
The Netherlands		
	4,4'-Methylenediphenyl Diisocyanate	
	Time-weighted average exposure limit 8 h (Private occupational exposure limit value):	0.0048 ppm
	Time-weighted average exposure limit 8 h (Private occupational exposure limit value):	0.05 mg/m^3
	Short time value (Private occupational exposure limit value):	0.02 ppm
	Short time value (Private occupational exposure limit value):	0.21 mg/m^3
Belgium		
	4,4'-Methylenediphenyl Diisocyanate	
	Time-weighted average exposure limit 8 h:	0.005 ppm
	Time-weighted average exposure limit 8 h:	0.052 mg/m^3
Germany		
	4,4'-Methylenediphenyl Diisocyanate	
	Time-weighted average exposure limit 8 h (TRGS 900):	0.05 mg/m^3
	o-(p-isocyanato benzyl) phenyl isocyanate	
	Time-weighted average exposure limit 8 h (TRGS 900):	0.05 mg/m^3
France		
	4,4'-Methylenediphenyl Diisocyanate	
	Time-weighted average exposure limit 8 h:	0.01 ppm

Time-weighted average exposure limit 8 h: 0.1 mg/m^3
Short time value: 0.02 ppm
Short time value: 0.2 mg/m^3

UK

Isocyanates, all (as -NCO) Except methyl isocyanate

Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)): 0.02 mg/m^3
Short time value (Workplace exposure limit (EH40/2005)): 0.07 mg/m^3

8.1.2 Sampling Methods

Product Name	Test	Number
4,4'-Methylenediphenyl Diisocyanate	NIOSH	5521
4,4'-Methylenediphenyl Diisocyanate	NIOSH	5525
Isocyanates	NIOSH	5521
Isocyanates	NIOSH	5522
4,4'-Methylenediphenyl Diisocyanate	OSHA	18
4,4'-Methylenediphenyl Diisocyanate	OSHA	47
4,4'-Methylenediphenyl Diisocyanate	OSHA	33

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 DNEL/DMEL Workers

4,4'-Methylenediphenyl Diisocyanate

Effect Level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	0.05 mg/m^3	
	Acute local effects inhalation	0.1 mg/m^3	

o-(p-isocyanato benzyl) phenyl isocyanate

Effect Level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	0.05 mg/m^3	
	Acute systemic effects inhalation	0.1 mg/m^3	
	Long-term local effects inhalation	0.05 mg/m^3	
	Acute local effects inhalation	0.1 mg/m^3	
	Acute systemic effects dermal	50 mg/kg bw/day	
	Acute local effects dermal	28.7 mg/cm^3	

DNEL/DMEL – General Population

4,4'-Methylenediphenyl Diisocyanate

Effect Level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	0.025 mg/m^3	
	Acute local effects inhalation	0.05 mg/m^3	

o-(p-isocyanato benzyl) phenyl isocyanate

Effect Level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	0.025 mg/m^3	
	Acute systemic effects inhalation	0.05 mg/m^3	
	Long-term local effects inhalation	0.025 mg/m^3	
	Acute local effects inhalation	0.05 mg/m^3	
	Acute systemic effects dermal	25 mg/kg bw/day	
	Acute local effects dermal	17.2 mg/cm^3	
	Acute systemic effects oral	20 mg/kg bw/day	

PNEC

4,4'-Methylenediphenyl Diisocyanate

Compartments	Value	Remark
Fresh water	1 mg/L	
Maine water	0.1 mg/L	
Aqua (intermittent releases)	10mg/L	
STP	1mg/L	
Soil	1mg/kg soil dw	

o-(p-isocyanato benzyl) phenyl isocyanate

Compartments	Value	Remark
Fresh water	1 mg/L	
Maine water	0.1 mg/L	
Aqua (intermittent releases)	10mg/L	
STP	1mg/L	
Soil	1mg/kg soil dw	

8.1.5 Control banding

If applicable and available it will be listed below

Also see section 3.

8.2 Exposure Controls

8.2.1 ENGINEERING CONTROLS: Use only with adequate ventilation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) stated above. The use of both general dilution and local exhaust ventilation is recommended to control airborne exposures to mist, vapor, or spray. Do not use in a confined area or areas with little or no air movement.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLVs.

RESPIRATORY PROTECTION: A (US: NIOSH; EU: EN 140:1998, EN 14387:2004 A)-approved air-purifying respirator with fume/organic chemical cartridge should be worn when airborne concentrations may be exceeded. General and local exhaust ventilation is the preferred means of protection.

EYE PROTECTION: Use with appropriate eye protection: Goggles or face shield (EU: EN 166-S 3 9).

SKIN PROTECTION: Protective gloves should be worn when the possibility of skin contact exists (EU: EN 374-1:2003).

PROTECTIVE CLOTHING OR EQUIPMENT: Work clothes should be worn and laundered in accordance with current standards (US: OSHA).

WORK HYGIENIC PRACTICES: Cosmetics/Food/Drink/Tobacco should not be consumed or used in areas where adhesives may be used. Always wash hands after handling adhesives and before applying or using cosmetics/food/drink/tobacco.

OTHER: Maintain eye wash stations in work areas. Avoid the use of contact lenses in high fume areas. Clean protective equipment regularly. Clean up spills immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, White, or Yellow to Dark Amber Liquid
ODOR:	Odorless
ODOR THRESHOLD:	NE
pH as SUPPLIED:	N/A
MELTING POINT:	NE
FREEZING POINT:	NE
INITIAL BOILING POINT:	NE
BOILING RANGE:	NE
FLASH POINT:	>329°F (>165°C)
EVAPORATION RATE:	NE
FLAMMABILITY:	Non-Combustible
UPPER/LOWER FLAMMABILITY:	NE
UPPER/LOWER EXPLOSIVE LIMITS:	NE
VAPOR PRESSURE (mmHg):	NE
VAPOR DENSITY (AIR = 1):	>2
RELATIVE DENSITY:	1.1
SOLUBILITY IN WATER:	Insoluble
PARTITION COEFFICIENT (n-octanol/water):	NE
AUTOIGNITION TEMPERATURE:	NE
DECOMPOSITION TEMPERATURE:	NE
VISCOSITY:	4000-7500 cps

9.2 Other Information
9.2.1 Information with regard to physical hazard classes
No additional information available.
9.2.2 Other safety characteristics
No additional information available.

10. STABILITY AND REACTIVITY

STABILITY:	Stable under recommended conditions. See section 7.
CONDITIONS TO AVOID (STABILITY):	Avoid heat, sparks, open flames, or other ignition sources.
INCOMPATIBILITY (MATERIAL TO AVOID):	Oxidizing materials, acids, hydrogen peroxide, bases, amines.
HAZARDOUS DECOMPOSITION/BY-PRODUCTS:	Harmful organic fumes and toxic oxide fumes may form at elevated temperatures. Including, but not limited to: nitrogen oxides, isocyanates, hydrogen cyanide, carbon monoxide, carbon dioxide.
POSSIBILITY OF HAZARDOUS REACTIONS:	NE
STATIC DISCHARGE EFFECTS:	Avoid static discharges.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure:	Inhalation, Skin Contact, Eye Contact
Signs and Symptoms of Exposure:	Contact with the skin can be indicated by redness and/or irritation at the sight of exposure. Contact with the eye(s) is indicated by irritation, redness and watering of the eye(s). Inhalation is indicated by drowsiness, dizziness, or Central Nervous System (CNS) depression.

Toxicological data has not been established for the product itself.

Components of this material that have associated toxicological data is provided below:
Acute Toxicity

Oral LD50:	4,4'-Methylenediphenyl Diisocyanate	> 10,000 mg/kg (rat)

Inhalation LC50:	4,4'-Methylenediphenyl Diisocyanate	Aerosol, 490 mg/m3 (rat)
Dermal LC50:	4,4'-Methylenediphenyl Diisocyanate	> 2,000 mg/kg (rabbit)
Oral LD50:	o-(p-isocyanato benzyl) phenyl isocyanate	> 2,000 mg/kg (rat)
Dermal LD50:	o-(p-isocyanato benzyl) phenyl isocyanate	> 9400 mg/kg (rabbit)
Inhalation LC50:	o-(p-isocyanato benzyl) phenyl isocyanate	Aerosol, 387 mg/m3 (rat)
Inhalation	Aromatic poly isocyanate prepolymer	Category 4

Serious Eye Damage/Eye Irritation: Causes serious eye irritation.

Skin Corrosion/ Irritation: 4,4'-Methylenediphenyl Diisocyanate – may cause irritation of the skin.

Respiratory or Skin Sensitization: 4,4'-Methylenediphenyl Diisocyanate – may cause Respiratory or Skin Sensitization. Skin sensitizing = category 1.

Germ Cell Mutagenicity: No data available on the product itself.
4,4'-Methylenediphenyl Diisocyanate – Genetic toxicity data on MDI are inconclusive,

Carcinogenicity

Route of exposure	Parameter	Method	Value	Exposure Time	Species	Effect	Organ	Value Determination
Inhalation (aerosol)	LOAEC	Equivalent to OECD 453	6 mg/m^3 air	2 years, 6 h/day, 5 days/week	Rat	Tumor formation	Respiratory Tract	Read-across

Reproductive Toxicity: No data available on the product itself.
4,4'-Methylenediphenyl Diisocyanate – in lab animals MDI did not cause birth defects.
May cause damage to organs through prolonged or repeated exposure if inhaled.
Not classified as sub-chronically toxic in contact with skin.
Suspected of causing cancer.
Not classified for mutagenic or genotoxic toxicity.
Not classified for reproductive or developmental toxicity.

Teratogenicity: No data available on the product itself.

STOT Single Exposure: 4,4'-Methylenediphenyl Diisocyanate when inhaled can cause respiratory irritation.
STOT Repeated Exposure: No data available on the product itself.

Aspiration Hazard: No data available on the product itself. Synergistic Materials: No data available on the product itself.

Synergistic Materials: No data available on the product itself.

Chronic effects from short and long-term exposure: On continuous/repeated exposure/contact: Itching, skin rash/inflammation, feeling of weakness, coughing possible inflammation of the respiratory tract, respiratory difficulties.

11.2 Information on other hazards:
11.2.1 Endocrine disrupting properties:
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
11.2.2 Other information:
To the best of our knowledge, the information contained herein is accurate. However, neither the above-named manufacturer, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

12. ECOLOGICAL INFORMATION

Information given is based on data on the components and the toxicology of similar products.

Aquatic Toxicity: Do not allow spilled material onto or into soil, drains, sewer, rivers or other water courses.
Environmental Fate: No data available on the product itself.
Mobility: No data available on the product itself.
Bioaccumulation: No data available on the product itself.
Persistence/Degradability: No data available on the product itself.
Distribution to Environmental Compartments: No data available on the product itself.

Not classified as dangerous to the environment according to the criteria of Regulation (EC) No. 1272/2008.
12.6 Endocrine Disrupting Properties: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher
12.7 OTHER ADVERSE EFFECTS: No known significant effects or critical hazards

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Scrap and waste should be recycled or stored in a dry, sealed container for later disposal. Disposal must be in accordance with Federal, State/Provincial, and Local Regulations.

14. TRANSPORT INFORMATION

Transport in accordance with applicable regulations and requirements.

UN Number:	Not available
UN Proper Shipping Name:	Not available
Packaging Group:	Not applicable
Environmental Hazards:	None

TRANSPORT HAZARD CLASSES:

US DOT Hazardous Material Classification (< 5000 lbs):	Non-Hazardous, Not regulated
US DOT Bulk Shipping (≥ 5000 lbs):	Regulated (4,4'-Methylenediphenyl Diisocyanate, CAS# 101-68-8)
UN Identification Number:	NA3077
Proper Shipping Name:	Other regulated substances, solid, n.o.s. (Methylene diphenyl diisocyanate)
Hazard Class:	9
Packing Group:	III
Marine Pollutant:	≥ 5000 lbs.
Poison Inhalation Hazard:	NA
Water Transportation:	Non-Hazardous
IATA Hazardous Material Classification:	Non-Hazardous
ADR Road Regulations	Not regulated
IMDG Sea Regulations	Not regulated
ADG Land Transportation	Not regulated

15. REGULATORY INFORMATION

United States Regulatory Information:

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act (TSCA) Inventory.
TSCA 12 (b) Export Notification:	Not required.

Canada Regulatory Information:

CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

U.S. FEDERAL REGULATIONS (< 5000 lbs):	Not regulated	
U.S. FEDERAL REGULATIONS (≥ 5000 lbs):	Regulated	
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, 40 CFR 302): Yes		
4,4'-Methylenediphenyl Diisocyanate	CAS# 101-68-8	≥ 5000 lbs
SARA Section 311/312 (40 CFR 370) Hazard Category:		Acute
SARA Section 313 (40 CFR 372) Toxics Release Inventory:		Yes
4,4'-Methylenediphenyl Diisocyanate	CAS# 101-68-8	10-15% Concentration
STATE REGULATIONS:	Not regulated	
INTERNATIONAL REGULATIONS:	Not regulated	
AUSTRALIAN REGULATIONS:	Not regulated	

16. OTHER INFORMATION

LEGEND:

ACGIH	American Conference of Governmental Industrial Hygienists
ADG	Australian Dangerous Goods Code
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AICS	Australian Inventory of Chemical Substances
BCF	Bioconcentration factor
C.A.S.	Chemical Abstract Service
CLP	Classification, Labeling and Packaging
DOT	Department of Transportation
EC	Effective Concentration
EPA	Environmental Protection Agency
GHS	Global Harmonized System
HMIS	Hazardous Material Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal Concentration
LD	Lethal Dose
NA	Not available
NE	Not established
NIOSH	National Institute for Occupational Safety & Health
NOEC	No observed effective concentration
NOHSC	National Occupational Health and Safety Commission (Australia)
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
P_{ow}	Octanol water partition coefficient
SDS	Safety Data Sheet
STEL	Short-Term Exposure Limit
STOT	Specific target organ toxicity
TLV	Threshold Limit Value

TSCA	Toxic Substance Control Act
TWA:	Time Weighted Average
US DOT:	United States Department of Transportation

PREPARATION INFORMATION:
This update supersedes all previously released documents.

DISCLAIMER:
The information and recommendations contained within this publication have been compiled from sources believed to be reliable and to represent the best information available to Chip Quik at the time of issue. No warranty, guarantee, or representation is made by Chip Quik nor does Chip Quik assume any responsibility in connection there within; nor can it be assumed that all acceptable safety measures or other safety measures may not be required under particular or exceptional conditions or circumstances. The data on this Safety Data Sheet relates only to this product and does not relate to use with any other material or in any process. All chemical products should be used only by, or under the direction of, technically qualified personnel who are aware of the hazards involved and necessity for reasonable care in handling. Hazard communication regulations require that employees must be trained on how to use a Safety Data Sheet as a source for hazard information.