

SECTION 1: Identification and Company Details

Product Name: Roberts 7000 QuickBond Spray Adhesive
Product Code: 7000
Manufacturer/ Supplier: Roberts Consolidated Industries, Inc.
Address: 300 Cross Plains Blvd.
Dalton, GA 30721
Emergency Phone: (800) 424-9300 (24-hour Response / CHEMTREC)
Product Information: (706) 277-5294
Recommended Use: Adhesive

SECTION 2: Hazard(s) Identification

Classification of the substance or mixture: This material is considered hazardous by WHMIS 2015 and the OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS08 Health Hazard:



Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Muta. 1B H340 May cause genetic defects.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

GHS07 Health Hazard:



Acute Tox. 4 H332 Harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

Signal Word:

Danger

GHS Label Elements:

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard Pictograms:



Hazard Statements:

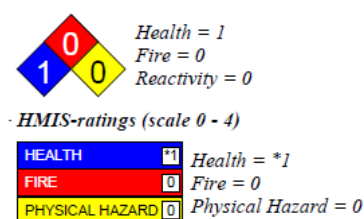
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
May cause genetic defects.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:

Do not breathe dust/fume/gas/mist/vapors/spray.
[In case of inadequate ventilation] wear respiratory protection.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do.
 Continue rinsing.
 Specific treatment (see on this label).
 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Call a POISON CENTER/doctor if you feel unwell.
 Wash contaminated clothing before reuse.
 IF exposed or concerned: Get medical advice/attention.
 If skin irritation or rash occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Get medical advice/attention if you feel unwell.
 IF ON SKIN: Wash with plenty of water.
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification System:
NFPA ratings (scale 0-4):



Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

SECTION 3: Composition / Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture

Hazardous components:	Weight %	CAS #
Naptha (petroleum), hydrotreated heavy	2.5-10%	64742-48-9
4,4'-methylenediphenyl dissocyanate	2.5-10%	101-68-8
Diphenylmethanedissocyanate, isomers and homologues	2.5-10%	9016-87-9

SECTION 4: First-Aid Measures

Description of first aid measures:

Inhalation: Supply fresh air or oxygen; call for doctor. Incase of unconsciousness place patient stably
 In side position for trasnportation

Skin Contact: Immediately wash with water and soap and rinse thoroughly.

Eye Contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion: Do not induce vomiting; immediately call for medical help.

Note to Physician: Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed. No further relevant information available.

SECTION 5: Fire-Fighting Measures

Extinguishing Media: CO2, extinguishing powder or water spray. Fight larger fires with water spray. Use fire fighting measures that suit the environment.

Hazardous Combustion Products: No particular hazards known.

Protection of Firefighters: Firefighters should be equipped with self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

Personal Precautions: Use protective gloves, goggles and suitable protective clothing. Keep unprotected persons away. Ensure adequate.

Environmental Precautions: Do not allow product to get into drains, soil, or surface water.

Methods of Clean-up: Use neutralizing agent. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)
Dispose of contaminated material as waste in accordance with federal state and local regulations.
Ensure adequate ventilation.

Reference to other sections:

Neutralization solutions:

1. A mixture of 90% Water, 3-8% ammonium hydroxide or concentrated ammonia, and 2% liquid detergent.
 2. A mixture of 80% water, 20% non-ionic surfactant.
- Apply solution. Wait 15 minutes. Collect in open-head container. Re-apply until surface is decontaminated. Apply drum lid but DO NOT secure. Let containers vent for 72 hours allowing carbon dioxide to escape. Secure drum lid.

See section 7 for information on safe handling

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

Protective Action Criteria for Chemicals:

PAC-1:		
6742-48-9	Naphtha (petroleum), hydrotreated heavy	350 mg/m3
101-68-8	4,4'-methylenediphenyl diisocyanate	.45 mg/m3
9016-87-9	Diphenylmethanediisocyanate, isomers and homolgues	.15 mg/m3
PAC-2:		
6742-48-9	Naphtha (petroleum), hydrotreated heavy	1,800 mg/m3
101-68-8	4,4'-methylenediphenyl diisocyanate	5 mg/m3
9016-87-9	Diphenylmethanediisocyanate, isomers and homolgues	3.6 mg/m3
PAC-3:		
6742-48-9	Naphtha (petroleum), hydrotreated heavy	40,000 mg/m3
101-68-8	4,4'-methylenediphenyl diisocyanate	55 mg/m3
9016-87-9	Diphenylmethanediisocyanate, isomers and homolgues	22 mg/m3

SECTION 7: Handling and Storage

Handling Precautions: Open and handle receptacle with care. Ensure good ventilation/ exhaust at the workplace. Prevent formation of aerosols. Product reacts with water. Reaction may produce heat and/or gases.

Storage: Protect from moisture. Keep packages dry. Store away from oxidizing agents. Keep away from open flames and high temperatures. Keep receptacle tightly sealed. Protect from humidity and water. Protect from contamination. Store under dry inert gas. Store in dry conditions.

SECTION 8: Exposure Control / Personal Protection

Additional information

about design of

technical systems: Not determined

Control parameters: Components with limit values that require monitoring at the workplace. The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

101-68-8 4,4'- methylenediphenyl diisocyanate	
PEL	Ceiling limit value: 0.2 mg/m ³ , .02ppm
REL	Long-term value: .05 mg/m ³ , .005ppm Ceiling limit value: .2* mg/m ³ , .02* ppm *10-min
TLV	Long-term value: .051 mg/m ³ , .005ppm

Additional information:

MDI products have poor warning properties, since recognition of an odor is far above the TLV. Observe OSHA regulations for respirator use (29 CFR 1910.134). The lists that were valid during the creation were used as basis.

Exposure controls:

Personal protective equipment (see listings below)

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Breathing equipment:

Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

Protection of Hands: Protective gloves - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves: Nitrile rubber, NBR
Chloroprene rubber, CR
Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time

of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles

Body Protection: Apron
Protective work clothing

SECTION 9: Physical and Chemical Properties

Appearance: Paste
Odor: sweetish
Relative Density: Not determined
Odor Threshold: Not available
Solubility: Not miscible or difficult to mix
pH: Not determined
Partition Coefficient: Not determined
Melting Point: Not determined
Freezing Point: Not determined
Auto-ignition Temperature: Product is not self-igniting
Flash Point: Not applicable
Decomposition Temperature: Not determined

Evaporation Rate: Not determined
Viscosity: Not determined
Flammability (Solid/Gas): Not applicable
Upper/Lower Flammability: Not determined
VOC Content: <1 g/L
Vapor Pressure (mmHg at 20c): Not determined
Boiling Point: Not applicable

SECTION 10: Stability and Reactivity

Reactivity: No further relevant information available
Chemical Stability:
Thermal decomposition/
Conditions to Avoid: Moisture
Possibility of
hazardous reactions: Contact with moisture, other materials that react with isocyanates, or temperatures above 350F, may cause polymerization.
Conditions to avoid: Avoid high temperatures. Avoid freezing.
Incompatible materials: Reacts with amines
 Reacts with alcohols
 Reacts with alkali (lyes)
 Reacts with water
 Copper and copper alloys
Hazardous decomposition products:
 Carbon monoxide
 Carbon dioxide
 Nitrogen oxides
 Isocyanate
 Isocyanic acid
 Possible in traces.
 Hydrogen cyanide (prussic acid)

SECTION 11: Toxicological Information

Acute toxicity:

LD/LC50 values that are relevant for classification:		
64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)
101-68-8 4,4'-methylenediphenyl diisocyanate		
Oral	LD50	2200 mh/kg (mouse)

Primary irritant effect:

Skin: Irritant to skin and mucous membranes
Eyes: Irritating effect
Sensitization:
Inhalation: Sensitization possible through inhalation
Skin: Sensitization possible through skin contact

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
 Harmful
 Irritant

Carcinogenic categories:

<i>IARC (International Agency for Research on Cancer)</i>		
101-68-8	4,4'-methylenediphenyl diisocyanate	3
9016-87-9	diphenylmethanediisocyanate, isomers and homologues	3
NTP (National Toxicology Program) – none of the ingredients listed		
OSHA-Ca (Occupational Safety & Health Administration) – none of the ingredients listed		

SECTION 12: Ecological Information

Aquatic Toxicity: Not determined

Persistence &

degradability: Not determined

Behavior in environmental systems

Bioaccumulative potential: Not determined

Mobility in soil: Not determined

Additional ecological information

General Notes: At present there are no ecotoxicological assessments

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

Other Adverse effects: No further relevant information available

SECTION 13: Disposal Considerations

Disposal: Must be specially treated adhering to official regulations

Uncleaned packagings: Disposal must be made according to official regulations.

SECTION 14: Transport Information

Road: DOT Proper Shipping Name: **Non-Regulated**

DOT Packing Group: N/A

DOT Label: N/A

UN Number: N/A

Ocean: Proper Shipping Name: **Non-Regulated**

Sea – IMO/IMDG Class: N/A

UN Number: N/A

Label: N/A

Packing Group: N/A

Marine Pollutant: N/A

EMS: N/A

Air: Proper Shipping Name: **Non-Regulated**

Air – ICAO/IATA Class: N/A

UN Number: N/A

Label: N/A

Sub Class: N/A

Packing Group: N/A

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355

(extremely hazardous substances): None of the ingredients is listed

Section 313

(Specific toxic chemical listings): 101-68-8 4,4'-methylenediphenyl diisocyanate
9016-87-9 diphenylmethanediisocyanate, isomers and homologues

TSCA (Toxic Substances Control Act):

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory Requirements.

California Proposition 65: None of the ingredients are listed

(DSL) Canada Domestic

Substance List:

All components of this product are on the DSL (Canada Domestic Substance list) or are exempt From DSL requirements.

New Jersey Right-to-Know List:

101-68-8 4,4'-methylenediphenyl diisocyanate
9016-87-9 diphenylmethanediisocyanate, isomers and homologues

New Jersey Special Hazardous Substance List:

None of the ingredients are listed

Pennsylvania Right-to-Know List:

101-68-8 4,4'-methylenediphenyl diisocyanate

Pennsylvania Special Hazardous Substance List:

101-68-8 4,4'-methylenediphenyl diisocyanate , E

Carcinogenicity categories:

EPA (Environmental Protection Agency)

101-68-8 4,4'-methylenediphenyl diisocyanate D, CBD
9016-87-9 diphenylmethanediisocyanate, isomers and homologues CBD

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients listed.

MAK (German Maximum workplace concentration):

101-68-8 4,4'-methylenediphenyl diisocyanate 4
9016-87-9 diphenylmethanediisocyanate, isomers and homologues 4

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed

National Regulations

Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exemptions can be made by the authorities in certain cases.

Water hazard class:

Water hazard class 2 (self-assessment) Hazardous for water.

Chemical safety assessment: A Chemical safety assessment has not been carried out.

SECTION 16: Other Information

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

HMIS RATING: HEALTH-1, FLAMMABILITY-0, REACTIVITY-0, PHYSICAL HAZARD- 0.

Prepared by: Roberts Consolidated Product Safety & Regulatory Compliance Group, (706) 277-5294

The information herein is given in good faith, but no warranty expressed or implied is made. Roberts Consolidated urges users of this product to evaluate its suitability and compliance with local regulations as Roberts Consolidated cannot foresee the final use of the product, nor the final location of usage.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Tox. 4: Acute toxicity – Category 4
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Muta. 1B: Germ cell mutagenicity – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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