

SDS# 01714, 01724

Date: June 2015

Total Pages: 8

Foam Sealant

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Foam Sealant

Catalog Number: 01714, 01724

Manufactured by: Convenience Products, division of Clayton Corp.

866 Horan Drive

Fenton, MO 63026-2416

Phone: 636-349-5855

Information Phone No.: 1+678.542.3600

EMERGENCY Phone No.: 1 800.255.3924 Chem-Tel (Chemical Emergencies)

SDS DATE REVISED: 06/09/2015

SECTION 2. HAZARDOUS IDENTIFICATION

GHS Classification:

Flammable Aerosol Category 1

Acute Toxicity Category 4

Skin Irritation Category 2

Eye Irritation Category 2

Skin Sensitivity Category 1

Specific Target Organ Toxicity- Repeated Exposure Category 2

Label Elements:



Signal Word: Danger!

Contains: diphenylmethanediisocyanate, isomeres and homologues 4,4'-methylenediphenyl diisocyanate

Hazard Statement(s)

H222	Extremely flammable aerosol.
H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
H332	Harmful if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P251	Pressurized container: Do not pierce or burn, even after use.
P211	Do not spray on an open flame or other ignition source.
P280	Wear protective gloves / eye protection.
P260	Do not breathe mist/vapours/spray.
P314	Get medical advice/attention if you feel unwell.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Additional information:

Contains isocyanates. May produce an allergic reaction.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

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SECTION 2. HAZARDOUS INGREDIENTS INFORMATION (cont.)

Additional information (cont.)

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

Hazard description:

WHMIS-symbols:

A - Compressed gas

B5 - Flammable aerosol

D2A - Very toxic material causing other toxic effects



NFPA & HMIS III Ratings:

NFPA

Health: *2

Flammability: 4

Reactivity: 1



HMIS III®

Health	2
Flamability	4
Physical Hazard	1
Personal Protection	

* - Indicates a long term health hazard from repeated or prolonged exposures.

SECTION 3. HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS No.	EINECS No.	% or Range	GHS Classification
diphenylmethanediisocyanate, isomeres and homologues	9016-87-9		20-40%	H334: Resp. Sens. Category 1 H373: STOT RE Category 2 H332: Acute Toxicity Category 4 H315: Skin Irrit. Category 2 H319: Eye Irrit. Category 2 H317: Skin Sens. Category 1 H335: STOT Se Category 3
4,4' methylenediphenyl diisocyanate	101-68-8	202-966-0	10-20%	H334: Resp. Sens. Category 1 H373: STOT RE Category 2 H332: Acute Toxicity Category 4 H315: Skin Irrit. Category 2 H319: Eye Irrit. Category 2 H317: Skin Sens. Category 1 H335: STOT Se Category 3

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SECTION 3. HAZARDOUS INGREDIENTS INFORMATION (cont.)

INGREDIENT	CAS No.	EINECS No.	% or Range	GHS Classification
Tris(2-chlorisopropyl)-phosphate	13674-84-5		10-20%	H412: Aquatic Chronic Category 3
Dimethyl ether	115-10-6	204-065-8	5-10%	H220: Flam. Gas H280: Press. Gas Category 1
Isobutane	72-28-5		1-5%	H220: Flam. Gas
Propane	74-98-6	200-827-9	1-5%	H220: Flam. Gas H280: Press. Gas Category 1

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Take affected persons out into the fresh air.

Inhalation: Supply fresh air; consult doctor in case of complaints. Provide oxygen treatment if affected person has difficulty breathing. In case of unconsciousness place patient stably in side position for transportation.

Ingestion: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

Skin Contact: Immediately wash with water and soap and rinse thoroughly. Do not pull solidified product off the skin. If skin irritation continues, consult a doctor.

Eye Contact: Immediately remove contact lenses if possible. Rinse opened eye for several minutes under running water. Then consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Asthma attacks
Headache
Breathing difficulty
Allergic reactions
Coughing
Nausea
Gastric or intestinal disorders when ingested.
Irritant to skin and mucous membranes.
Irritant to eyes.
Dizziness
Disorientation

Hazards

Danger of impaired breathing.
Danger of disturbed cardiac rhythm.
Danger of pulmonary oedema.
Danger of pneumonia.
Danger of convulsion.

4.3. Indication of any immediate medical attention and special treatment needed

Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible.
Treat skin and mucous membrane with antihistamine and corticoid preparations.
In cases of irritation to the lungs, initial treatment with cortical steroid inhalants.
Monitor circulation.
If necessary oxygen respiration treatment.
Medical supervision for at least 48 hours.
Contains isocyanates. May produce an allergic reaction.

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SECTION 5. FIREFIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Water in flooding quantities.

Special hazards arising from the substance or mixture

Danger of receptacles bursting because of high vapour pressure when heated. During heating or in case of fire poisonous gases are produced.

Special Equipment and Precautions for Fire-Fighters:

Wear self-contained respiratory protective device. Wear fully protective suit.

Additional Information:

Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. Cool endangered receptacles with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat. Isolate area and prevent access. Keep people at a distance and stay on the windward side.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and Material for Containment and Clean-Up: Allow to solidify. Pick up mechanically. Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling: Keep away from heat and direct sunlight. Use only in well ventilated areas.

Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use. Do not spray onto a naked flame or any incandescent material. Emergency cooling must be available in case of nearby fire.

Conditions for Safe Storage, Including any Incompatibilities:

Requirements to be met by storerooms and receptacles: Store in a cool location. Observe official regulations on storing packagings with pressurized containers. Provide ventilation for receptacles. Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidizing agents.

Further information about storage conditions: Protect from heat and direct sunlight. Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

Specific end use(s): No further relevant information available.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits:

INGREDIENT	CAS No.	PEL:	REL:	TLV:	WEEL:	ACGIH:	NIOSH:
4,4'-methylenediphenyl diisocyanate (PEL)	101-68-8	0.2 mg/m ³	N/A	N/A	N/A	.02 ppm	N/A
4,4'-methylenediphenyl diisocyanate (REL) (Long-term val.)	101-68-8	N/A	0.05 mg/m ³	N/A	N/A	.005 ppm	N/A
4,4'-methylenediphenyl diisocyanate (REL)	101-68-8	N/A	0.2* mg/m ³	N/A	N/A	.02* ppm	N/A *10 min
Dimethyl ether (WEEL) (Long-term val.)	115-10-6	N/A	N/A	N/A	1000 ppm	N/A	N/A
Isobutane (REL) (Long-term val.)	72-28-5	N/A	1900 mg/m ³	N/A	N/A	800 ppm	N/A
Isobutane (TLV) (Short-term val.)	72-28-5	N/A	N/A	2370 mg/m ³	N/A	1000 ppm	N/A
Propane (PEL) (Long-term val.)	74-98-6	1800 mg/m ³	N/A	N/A	N/A	1000 ppm	N/A
Propane (REL) (Long-term val.)	74-98-6	N/A	1800 mg/m ³	N/A	N/A	1000 ppm	N/A

General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. Clean skin thoroughly immediately after handling the product.



Respiratory protection:

Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.

Skin Protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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

Safety glasses

Body Protection

Protective work clothing

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Aerosol (Amber colored)

Odor: Light, Petroleum-like

Odor Threshold: Not determined

pH @ 1%: Not determined

Melting Point (Pour Point): Not determined

Boiling Point: -44 °F / -42°C (propellant)

Flash Point: -155 °F / -104°C (propellant)

Evaporation Rate (Water = 1): Not applicable

Flammable Limits: Not applicable

Flame extension distance: Not applicable

Partition Coefficient: Not determined

Solubility in water: Not miscible or difficult to mix

Viscosity: Not determined

Autoignition Temperature: Not determined

Decomposition Temperature: Not determined

VOC Percentage/ g/L: 155 g/l

Density at 20°C: 1.01 g/cm³

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES (cont.)

Vapor pressure (mm Hg): Not determined

Vapor Density (Air = 1): Not determined

Relative density: Not determined

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: No decomposition if used and stored according to specifications.

Reactivity: Not determined or not applicable.

Possibility of Hazardous Reactions: Develops readily flammable gases/fumes. Flammable. Reacts with oxidizing agents. Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised. Danger of receptacles bursting because of high vapour pressure when heated. Contact with acids releases toxic gases. Toxic fumes may be released if heated above the decomposition point.

Conditions to Avoid: Keep ignition sources away - Do not smoke. Store away from oxidizing agents.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide; Nitrogen oxides (NOx); Hydrogen cyanide (prussic acid); Phosphorus oxides (e.g. P2O5)

SECTION 11. TOXICOLOGICAL INFORMATION

Symptoms related to the physical, chemical, and toxicological characteristics:

4,4'-methylenediphenyl diisocyanate (CAS: 101-68-8):

On the skin: Irritant to skin and mucous membranes.

On the eye: Irritating effect.

Sensitization: Sensitization possible through inhalation. Sensitization possible through skin contact.

Subacute to chronic toxicity:

Inhalation of concentrated vapors as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful, Irritant, Danger through skin adsorption. Toxic and/or corrosive effects may be delayed up to 24 hours.

In addition to local irritant manifestations, there is a narcotic effect when inhaling high concentrations, with high danger of central respiratory arrest

Acute effects (acute toxicity, irritation and corrosivity): Vapors have narcotic effect.

Repeated dose toxicity:

May cause damage to organs through prolonged or repeated exposure.

Repeated exposures may result in skin and/or respiratory sensitivity.

Numerical Measures of Toxicity:

4,4'-methylenediphenyl diisocyanate (CAS: 101-68-8) Oral - LC50 Inhalation - 2200 mg/kg (mouse)

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability: Not determined or not applicable.

Bioaccumulative Potential: Not determined or not applicable.

Mobility in Soil: Not determined or not applicable.

Other Adverse Effects: Not determined or not applicable.

General Notes: Avoid transfer into the environment. Harmful to aquatic organisms. This statement was deduced from products with a similar structure or composition.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

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SECTION 14. TRANSPORTATION INFORMATION



UN Number: 1950

UN Proper Shipping Name: Aerosol, flammable

IMO Packing group: 2

Limited quantities: 1L

Transport Hazard Class(s): DOT: Class/Label: 2.1, ADR: Class: 2 5F Gases; Label: 2.1, IDMG, IATA: Class/Label: 2.1

Proper Shipping Name: Aerosols, flammable

DOT Classification: Not Regulated

Flammability group: 2.1

Environmental Hazards: Is not hazardous to aquatic environments

International bulk chemical code: Not applicable

Tunnel restriction code: D

SECTION 15. REGULATORY INFORMATION

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

diphenylmethanediisocyanate, isomeres and homologues (CAS# 9016-87-9)

4,4'-methylenediphenyl diisocyanate (CAS# 101-68-8)

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California): Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenic Categories

EPA (Environmental Protection Agency)

diphenylmethanediisocyanate, isomeres and homologues (CAS# 9016-87-9) CBD

4,4'-methylenediphenyl diisocyanate D, (CAS# 101-68-8) CBD

IARC (International Agency for Research on Cancer)

diphenylmethanediisocyanate, isomeres and homologues (CAS# 9016-87-9) 3

4,4'-methylenediphenyl diisocyanate (CAS# 101-68-8) 3

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

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

None of the ingredients is listed.

Canada

Canadian Domestic Substances List (DSL)

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

4,4'-methylenediphenyl diisocyanate (CAS# 101-68-8)

Canadian Ingredient Disclosure list (limit 1%)

None of the ingredients is listed.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

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

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SECTION 16. OTHER INFORMATION:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision Summary: All Sections: New GHS Format

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.