

Safety Data Sheet

Material Name: Dyn-O-Tac II (White)

Product #: 304072
304073
304074

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

Dyn-O-Tac II (White)

Synonyms

Water-based Adhesive

Chemical Family

Adhesive

Product Use

Water based Adhesive

Restrictions on Use

For industrial use only.

Details of the supplier of the safety data sheet

Carlisle Canada ULC
205 Brunswick Blvd.
Pointe Claire, QC HR1 A5
Canada
www.carlislehvac.com

Phone Numbers:

MSDS Assistance – 972-442-6545
Technical Assistance – 888-229-2199
Customer Service – 888-229-0199

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with Schedule 1 of Hazardous Products Regulations (HPR) (SOR/2015/17)

None needed according to classification criteria.

GHS Label Elements

Symbol(s)

None needed according to classification criteria.

Signal Word

None needed according to classification criteria.

Hazard Statement(s)

None needed according to classification criteria.

Precautionary Statement(s)

Prevention

None needed according to classification criteria.

Response

None needed according to classification criteria.

Storage

None needed according to classification criteria.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations

Other Hazards

No additional information available.

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Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
1317-65-3	Limestone	15-40
67-56-1	Methanol	0.5-5
14808-60-7	Quartz	0.1-1
13463-67-7	Titanium dioxide	0.5-1.5

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

If exposed or concerned: Call a POISON CENTER or doctor/physician.

Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical attention, if needed.

Skin

Wash exposed skin with soap and water. Remove contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.

Eyes

Flush eyes with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

Do NOT induce vomiting. If swallowed, get medical attention.

Most Important Symptoms/Effects

Acute

No information on significant adverse effects.

Delayed

No information on significant adverse effects.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

Unsuitable Extinguishing Media

None reported.

Special Hazards Arising from the Chemical

Slight fire hazard. Sealed containers may rupture or explode if exposed to heat.

Hazardous Combustion Products

Oxides of carbon, oxides of nitrogen, hydrocarbons

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Advice for firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure. Do not inhale any material or combustion by-products.

Fire Fighting Measures

Remove product from area of fire. Stay upwind and keep out of low areas.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up

Absorb with earth, sand or other non-combustible material and transfer to container. Dike for later disposal. Dispose in accordance with all applicable regulations.

Environmental Precautions

Avoid release to the environment.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

This product contains crystalline silica, which is a known carcinogen: Do not grind or sand. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. KEEP OUT OF REACH OF CHILDREN.

Conditions for Safe Storage, Including any Incompatibilities

Store locked up

Store in a well-ventilated place. Store above 0 C. Store below 45 C. When not in use, keep containers tightly closed. Do not cut, puncture, or weld on or near this container. Keep away from incompatible materials.

Incompatible Materials

Strong acids, strong oxidizing agents

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Limestone	1317-65-3
Alberta	10 mg/m3 TWA
British Columbia	10 mg/m3 TWA total dust ; 3 mg/m3 TWA respirable fraction
	20 mg/m3 STEL total dust
New Brunswick	10 mg/m3 TWA particulate matter containing no Asbestos and <1% Crystalline silica

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Northwest Territories	10 mg/m3 TWA
	20 mg/m3 STEL
Nunavut	10 mg/m3 TWA
	20 mg/m3 STEL
Quebec	10 mg/m3 TWAEV (Limestone, containing no Asbestos and <1% Crystalline silica) total dust
Saskatchewan	10 mg/m3 TWA
	20 mg/m3 STEL
Yukon	30 mppcf TWA ; 10 mg/m3 TWA
	20 mg/m3 STEL
Quartz	14808-60-7
Alberta	0.025 mg/m3 TWA respirable particulate
British Columbia	0.025 mg/m3 TWA respirable
Manitoba	0.025 mg/m3 TWA respirable particulate matter
New Brunswick	0.1 mg/m3 TWA respirable fraction
Northwest Territories	0.05 mg/m3 TWA respirable fraction
Nova Scotia	0.025 mg/m3 TWA respirable particulate matter
Nunavut	0.05 mg/m3 TWA respirable fraction
Ontario	0.1 mg/m3 TWA (designated substances regulation) respirable
Prince Edward Island	0.025 mg/m3 TWA respirable particulate matter
Quebec	0.1 mg/m3 TWAEV respirable dust
Saskatchewan	0.05 mg/m3 TWA respirable fraction
Yukon	300 particle/mL TWA
ACGIH:	0.025 mg/m3 TWA respirable particulate matter
Methanol	67-56-1
Alberta	200 ppm TWA ; 262 mg/m3 TWA

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	250 ppm STEL ; 328 mg/m3 STEL
	Substance may be readily absorbed through intact skin
British Columbia	200 ppm TWA
	Skin notation
	250 ppm STEL
Manitoba	200 ppm TWA
	Skin - potential for cutaneous absorption
	Skin - potential significant contribution to overall exposure by the cutaneous route
New Brunswick	200 ppm TWA ; 262 mg/m3 TWA
	250 ppm STEL ; 328 mg/m3 STEL
	Skin - potential for cutaneous absorption
Northwest Territories	200 ppm TWA
	250 ppm STEL
	Skin notation
Nova Scotia	200 ppm TWA
	250 ppm STEL
	Skin - potential significant contribution to overall exposure by the cutaneous route
Nunavut	200 ppm TWA
	250 ppm STEL
	Skin notation
Ontario	200 ppm TWA
	250 ppm STEL
	Danger of cutaneous absorption
Prince Edward Island	200 ppm TWA
	250 ppm STEL
Quebec	200 ppm TWAEV ; 262 mg/m3 TWAEV

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	250 ppm STEV ; 328 mg/m3 STEV
	Skin designation
Saskatchewan	200 ppm TWA
	250 ppm STEL
	Potentially harmful after absorption through skin or mucous membranes
Yukon	200 ppm TWA ; 260 mg/m3 TWA
	250 ppm STEL ; 310 mg/m3 STEL
	Skin notation
ACGIH:	200 ppm TWA
	250 ppm STEL
	Skin - potential significant contribution to overall exposure by the cutaneous route
Titanium dioxide	13463-67-7
Alberta	10 mg/m3 TWA
British Colombia	10 mg/m3 TWA total dust ; 3 mg/m3 TWA respirable fraction
Manitoba	10 mg/m3 TWA
New Brunswick	10 mg/m3 TWA
Northwest Territories	10 mg/m3 TWA
	20 mg/m3 STEL
Nova Scotia	10 mg/m3 TWA
Nunavut	10 mg/m3 TWA
	20 mg/m3 STEL
Ontario	10 mg/m3 TWA
Prince Edward Island	10 mg/m3 TWA
Quebec	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica) total dust
Saskatchewan	10 mg/m3 TWA
	20 mg/m3 STEL

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Yukon	30 mppcf TWA as Ti ; 10 mg/m3 TWA as Ti
	20 mg/m3 STEL as Ti
ACGIH	10 mg/m3 TWA

Biological limit Value

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

Methanol (67-56-1)

15 mg/l Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)

Engineering Controls

Provide adequate ventilation. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection

Wear appropriate work clothing.

Respiratory Protection

Respirators depend on exposure level. SCBA with full face piece recommended during change outs and available in case of emergency.

Glove Recommendations

Wear protective gloves. Recommended material: Hycron(R), neoprene, nitrile.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white latex	Physical State	liquid
Odor	Slight, ammonia	Color	white
Odor Threshold	Not available	pH	8 - 9
Melting Point	Not available	Boiling Point	212 °F
Freezing point	Not available	Evaporation Rate	60 - 64 % volatile
Boiling Point Range	Not available	Flammability (solid, gas)	Not available
Autoignition	Not available	Flash Point	Not available
Lower Explosive Limit	Not available	Decomposition	Not available
Upper Explosive Limit	Not available	Vapor Pressure	17 mmHg (@ 20 °C)
Vapor Density (air=1)	<1	Specific Gravity (water=1)	Not available
Water Solubility	Soluble	Partition coefficient: n-octanol/water	Not available
Viscosity	7 - 15 Kcps	Solubility (Other)	Not available

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Density	1.22 (relative)	VOC	63 g/L (water excluded)
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Other Information

No additional information available.

Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal conditions of use.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Incompatible Materials

strong acids, strong oxidizing agents

Hazardous decomposition products

Oxides of carbon, oxides of nitrogen, hydrocarbons

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

No information on significant adverse effects.

Skin Contact

No information on significant adverse effects.

Eye Contact

May cause mild eye irritation.

Ingestion

No information on significant adverse effects.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Limestone (1317-65-3)

Oral LD50 Rat 6450 mg/kg

Methanol (67-56-1)

Oral LD50 Rat 6200 mg/kg

Dermal LD50 Rabbit 15840 mg/kg

Inhalation LC50 Rat 22500 ppm 8 h

Product Toxicity Data

Acute Toxicity Estimate

Dermal	> 2000 mg/kg
Inhalation - Dust and Mist	> 5 mg/L
Oral	> 2000 mg/kg

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Immediate Effects

No information on significant adverse effects.

Delayed Effects

No information on significant adverse effects.

Irritation/Corrosivity Data

May cause mild eye irritation.

Respiratory Sensitization

No information on significant adverse effects.

Dermal Sensitization

No information on significant adverse effects.

Component Carcinogenicity

Quartz	14808-60-7
ACGIH:	A2 - Suspected Human Carcinogen
IARC:	Monograph 100C [2012] ; Monograph 68 [1997] (Group 1 (carcinogenic to humans))
NTP:	Known Human Carcinogen
DFG:	Category 1 (causes cancer in man ;inhalable fraction)
OSHA:	Present
NIOSH:	potential occupational carcinogen
Titanium dioxide	13463-67-7
ACGIH:	A4- Not classable as a human carcinogen
IARC:	Monograph 93 [2010] ; Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))
DFG	Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra-small particles)
OSHA:	Present

Germ Cell Mutagenicity

No informatin on significant adverse effects.

Tumorigenic Data

No information on significant adverse effects.

Reproductive Toxicity

No information on significant adverse effects.

Specific Target Organ Toxicity - Single Exposure

No significant target effects reported.

Specific Target Organ Toxicity - Repeated Exposure

No significant target effects reported.

Aspiration hazard

No data available.

Medical Conditions Aggravated by Exposure

No data available.

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Additional Data

No additional information available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Avoid release to the environment.

Component Analysis - Aquatic Toxicity

Methanol	67-56-1
Fish:	LC50 96 h Pimephales promelas 28200 mg/L [flow-through]; LC50 96 h Pimephales promelas > 100 mg/L [static]; LC50 96 h Oncorhynchus mykiss 19500 – 20700 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 18 – 20 mL/L [static]; LC50 96 h Lepomis macrochirus 13500 – 17600 mg/L [flow-through]
Limestone	1317-65-3
Fish	LC50 h fish >200 mg/L

Persistence and Degradability

No information available for the product.

Bioaccumulative Potential

No information available for the product.

Mobility

No information available for the product.

Other Toxicity

No additional information available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information:

UN/NA #: Not regulated

IATA Information:

UN#: Not regulated

TDG Information:

UN#: Not regulated

IMDG Information:

UN#: Not regulated

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International Bulk Chemical Code

This material contains one or more of the following chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Methanol	67-56-1
IBC Code:	Category Y

Section 15 - REGULATORY INFORMATION

Canada Regulations

CEPA - Priority Substances List

None of this products componets are on the list.

Ozone Depleting Substances

None of this product's components are on the list.

Council of Ministers of the Environment - Soil Quality Guidelines

Methanol	67-56-1
Residential and Parkland	4.6 mg/kg coarse (dry weight, human health soil quality guideline); 7.7 mg/kg coarse (dry weight, environmental soil quality guideline); 4.6 mg/kg coarse (dry weight, soil quality guideline - lower of the human health soil quality guideline and the environmental soil quality guideline is the soil quality guideline); 5.6 mg/kg fine (dry weight, human health soil quality guideline); 190 mg/kg fine (dry weight, environmental soil quality guideline); 5.6 mg/kg fine (dry weight, soil quality guideline - lower of the human health soil quality guideline and the environmental soil quality guideline is the soil quality guideline)

Council of Ministers of the Environment - Water Quality Guidelines

None of this product's components are on the list.

US Federal Regulations

This material contains one or more of the following chemicals require to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Methanol	67-56-1
SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ; 2270 kg final RQ
OSHA (safety):	10000 lb TQ (anhydrous); 15000 lb TQ solution, >44% ammonia by weight
SARA 304:	100 lb EPCRA RQ

Sara Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: Yes **Chronis Health:** Yes **Fire:** No **Pressure:** No **Reactivity:** No

Component Analysis - Inventory

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Limestone (1317-65-3)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	NSL	Yes	Yes	EIN	Yes	Yes	Yes	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW	VN (Draft)
No	Yes	Yes	Yes	Yes	Yes	Yes

Methanol (67-56-1)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW	VN (Draft)
Yes	Yes	Yes	Yes	Yes	Yes	Yes

Quartz (14808-60-7)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW	VN (Draft)
No	Yes	Yes	Yes	Yes	Yes	Yes

Titanium dioxide (13463-67-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI/KECL	KR TCCA
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No

CN	NZ	MX
Yes	Yes	Yes

Section 16 - OTHER INFORMATION

HMIS Rating

Health: 1* Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

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NFPA Ratings

Health: 1 Fire: 1 Instability: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

New SDS: September 15, 2020

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information

Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.