

REGLET JOINT SEALANTREGLET JOINT SEALANT

Version 2.

Print Date 06/14/2011

REVISION DATE: 08/08/2008

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : REGLET JOINT SEALANTREGLET JOINT SEALANT
 Product code : 367400 323

COMPANY : Tremco Incorporated
 3735 Green Road
 Cleveland, OH 44122

Telephone : (216) 292-5000 8:30 - 5:00 EST
 Emergency Phone: : (216) 765-6727 8:30 - 5:00 EST
 After Hours: Chemtrec 1-800-424-9300

Product use : Coating

SECTION 2 - HAZARDS IDENTIFICATION**Emergency Overview**

Black / Brown. Semi-Solid. May cause drowsiness, weakness, and fatigue. Vapor and/or mist may irritate nose and throat. May cause moderate irritation to the respiratory system. May cause allergic respiratory sensitization. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : May cause drowsiness, weakness, and fatigue. Vapor and/or mist may irritate nose and throat. May cause moderate irritation to the respiratory system. May cause allergic respiratory sensitization.

Eyes : Vapor and/or mist may cause eye irritation.

Ingestion : May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.

Skin : May cause sensitization resulting in irritation, itching and redness.

Aggravated Medical Conditions

Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Overexposure may cause dermatitis, asthma, skin and respiratory sensitization and decreased lung function. Repeated overexposure to vapors and/or material may injure the liver, kidneys and respiratory system unless suitable engineering controls and/or personal protective equipment are used. Aromatic tar contains polycyclic aromatic hydrocarbons, some of which have been shown to cause skin cancer following prolonged and repeated skin contact. Should be considered potentially carcinogenic by inhalation. Carbon black is classified by IARC to be a known animal carcinogen and a possible human carcinogen (Group 2B). Di(2-ethylhexyl) phthalate, (dioctyl phthalate) given in the diet, produced increased incidence of liver cancers in female rats and male and female mice. An increased incidence of liver cancers or neoplasms were observed in male rats. A long-term NTP study showed that oral exposure to toluene diisocyanate (TDI) caused cancer in rats and mice. A lifetime inhalation study sponsored by the International Isocyanate Institute did not show carcinogenic activity in rats. May cause allergic skin and respiratory sensitization.

Target Organs: Eye, Lung, Liver, Kidney, Skin, Nerve

REGLET JOINT SEALANTREGLET JOINT SEALANT

Version 2.

Print Date 06/14/2011

REVISION DATE: 08/08/2008

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Aromatic process oil	64742-90-1	30.0 - 60.0
Polyurethane Polymer	NJ TSRN# 51721300-5024P	30.0 - 60.0
Calcium Carbonate (Limestone)	1317-65-3	10.0 - 30.0
Carbon Black	1333-86-4	7.0 - 13.0
Calcium oxide	1305-78-8	3.0 - 7.0
Anthracene	120-12-7	1.0 - 5.0
Dioctyl phthalate	117-81-7	- <1.0
2,4-Toluene diisocyanate	584-84-9	- <1.0
Toluene-2,6-Diisocyanate	91-08-7	- <0.1
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	- <0.1

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation	:	Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Eye contact	:	Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
Skin contact	:	Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	:	Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point	:	Not available.
Method	:	Not applicable.
Burning rate	:	Non-flammable solid
Lower explosion limit	:	Not available.
Upper explosion limit	:	Not available.
Autoignition temperature	:	Not available.
Extinguishing media	:	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion products	:	Carbon monoxide and carbon dioxide can form. Smoke, fumes. Hydrocyanic acid and nitrogen oxides can form.
Protective equipment for firefighters	:	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
Fire and explosion conditions	:	Product may ignite if heated in excess of its flash point. Closed container, may burst when exposed to extreme heat. Empty containers may contain ignitable vapors. Vapors may travel to sources of ignition and flashback.

REGLET JOINT SEALANTREGLET JOINT SEALANT

Version 2.

Print Date 06/14/2011

REVISION DATE: 08/08/2008

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

SECTION 7 - HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Change soiled work clothes frequently. Clean hands thoroughly after handling. Do not smoke, weld, generate sparks, or use flame near container. To prevent generation of static discharges, use bonding/grounding connection when pouring liquid. Extinguish all ignition sources including pilot lights, non-explosion proof motors and electrical equipment until vapors dissipate. Store under dry warehouse conditions away from heat and all ignition sources.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**Personal protection equipment**

- Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Select positive pressure supplied air respirator (TC19C or equivalent) for isocyanates.
- Hand protection : Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Skin and body protection : Prevent contact with shoes and clothing.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Calcium Carbonate (Limestone)	1317-65-3	OSHA PEL:	5 mg/m ³	Respirable fraction.
		OSHA PEL:	15 mg/m ³	Total dust.
		ACGIH TWA:	3 mg/m ³	Respirable particles.
		ACGIH TWA:	10 mg/m ³	Inhalable particles.
		OSHA TWA:	15 mg/m ³	Total dust.
		OSHA TWA:	5 mg/m ³	Respirable fraction.
Carbon Black	1333-86-4	ACGIH TWA:	3.5 mg/m ³	
		OSHA PEL:	3.5 mg/m ³	
		OSHA TWA:	15 mg/m ³	Total dust.
		OSHA TWA:	5 mg/m ³	Respirable fraction.

REGLET JOINT SEALANTREGLET JOINT SEALANT

Version 2.

Print Date 06/14/2011

REVISION DATE: 08/08/2008

Chemical Name	CAS Number	Regulation	Limit	Form
Calcium oxide	1305-78-8	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	2 mg/m3 5 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable fraction.
Diocetyl phthalate	117-81-7	ACGIH TWA: OSHA PEL:	5 mg/m3 5 mg/m3	
2,4-Toluene diisocyanate	584-84-9	ACGIH TWA: ACGIH STEL:	0.005 ppm 0.02 ppm	
Toluene-2,6-Diisocyanate	91-08-7	ACGIH TWA: ACGIH STEL:	0.005 ppm 0.02 ppm	
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL: ACGIH TWA:	0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3 0.025 mg/m3	Respirable. Total dust. Total dust. Respirable fraction. Respirable fraction.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form	: Semi-Solid
Color	: Black / Brown
Odor	: Solvent odor
pH	: Not available.
Vapour pressure	: Not available.
Vapor density	: Heavier than air
Melting point/range	: Not available.
Freezing point	: Not available.
Boiling point/range	: Not available.
Water solubility	: Negligible
Specific Gravity	: 1.09
% Volatile Weight	: 4 %

SECTION 10 - REACTIVITY / STABILITY

Substances to avoid	: Strong acids.Strong bases.Amines.Water or moisture.Alcohols.
Stability	: Material is stable under normal storage, handling, and use.
Hazardous polymerization	: Will not occur under normal conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

Diocetyl phthalate, CAS-No.: 117-81-7



REGLET JOINT SEALANTREGLET JOINT SEALANT

Version 2.
REVISION DATE: 08/08/2008

Print Date 06/14/2011

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	2
Flammability	1
Reactivity	1
PPE	

0 = Minimum
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Rich Mikol

Legend

- | | |
|--|--|
| ACGIH - American Conference of Governmental Hygienists | PEL - Permissible Exposure Limit |
| CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act | RCRA - Resource Conservation and Recovery Act |
| DOT - Department of Transportation | RTK - Right To Know |
| DSL - Domestic Substance List | SARA - Superfund Amendments and Reauthorization Act |
| EPA - Environmental Protection Agency | STEL - Short Term Exposure Limit |
| HMIS - Hazardous Materials Information System | TLV - Threshold Limit Value |
| IARC - International Agency for Research on Cancer | TSCA - Toxic Substances Control Act |
| MSHA - Mine Safety Health Administration | TWA - Time Weighted Average |
| NDSL - Non-Domestic Substance List | V - Volume |
| NIOSH - National Institute for Occupational Safety and Health | VOC - Volatile Organic Compound |
| NTP - National Toxicology Program | WHMIS - Workplace Hazardous Materials Information System |
| OSHA - Occupational Safety and Health Administration | |



REGLET JOINT SEALANTREGLET JOINT SEALANT

Version 2.

Print Date 06/14/2011

REVISION DATE: 08/08/2008

Acute oral toxicity (LD-50 oral) 25,000 mg/kg (Rat) 30,000 mg/kg (Mouse) 33,900 mg/kg (Rabbit) 26,300 mg/kg (Guinea pig)
 Acute dermal toxicity (LD-50 dermal) 10,000 mg/kg (Guinea pig) 25,000 mg/kg (Rabbit)

2,4-Toluene diisocyanate, CAS-No.: 584-84-9

Acute oral toxicity (LD-50 oral) 5,800 mg/kg (Rat)
 Acute inhalation toxicity (LC-50) 14 mg/l for 4 h (Rat) 10 mg/l for 4 h (Mouse) 13 mg/l for 4 h (Guinea pig) 11 mg/l for 4 h (Rabbit)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method : Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in compliance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:

NOT REGULATED

SECTION 15 - REGULATORY INFORMATION

North American Inventories:

All components are listed or exempt from the TSCA inventory.
 This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations:

SARA 313 Components : Anthracene 120-12-7
 Dioctyl phthalate 117-81-7
 2,4-Toluene diisocyanate 584-84-9

SARA 311/312 Hazards : Acute Health Hazard
 Chronic Health Hazard

OSHA Hazardous Components :

Aromatic process oil 64742-90-1
 Calcium Carbonate (Limestone) 1317-65-3
 Carbon Black 1333-86-4
 Calcium oxide 1305-78-8
 Anthracene 120-12-7
 Dioctyl phthalate 117-81-7
 2,4-Toluene diisocyanate 584-84-9
 Toluene-2,6-Diisocyanate 91-08-7
 Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

REGLET JOINT SEALANTREGLET JOINT SEALANT

Version 2.

Print Date 06/14/2011

REVISION DATE: 08/08/2008

OSHA Status: Considered : Irritant
 hazardous based on the Sensitizer
 following criteria: Carcinogen

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 53 g/l
 exempt solvent)

VOC Method 310 : 4 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:
 Carbon Black 1333-86-4

U.S. State Regulations:

MASS RTK Components	:	Calcium Carbonate (Limestone)	1317-65-3
		Carbon Black	1333-86-4
		Calcium oxide	1305-78-8
		Anthracene	120-12-7
		2,4-Toluene diisocyanate	584-84-9
		Toluene-2,6-Diisocyanate	91-08-7
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
Penn RTK Components	:	Aromatic process oil	64742-90-1
		Polyurethane Polymer	NJ TSRN# 51721300-5024P
		Calcium Carbonate (Limestone)	1317-65-3
		Carbon Black	1333-86-4
		Calcium oxide	1305-78-8
		Anthracene	120-12-7
		2,4-Toluene diisocyanate	584-84-9
NJ RTK Components	:	Aromatic process oil	64742-90-1
		Polyurethane Polymer	NJ TSRN# 51721300-5024P
		Calcium Carbonate (Limestone)	1317-65-3
		Carbon Black	1333-86-4
		Calcium oxide	1305-78-8

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

64742-90-1	Aromatic process oil
1333-86-4	Carbon Black
117-81-7	Diocetyl phthalate
584-84-9	2,4-Toluene diisocyanate
91-08-7	Toluene-2,6-Diisocyanate
14808-60-7	Crystalline Silica (Quartz)/ Silica Sand