

SPECTREM 4-TS - 1.5 US GL/6 L

Version 2.

Print Date 04/28/2010

REVISION DATE: 04/27/2010

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : SPECTREM 4-TS - 1.5 US GL/6 L
 Product code : 976500 802

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 : Sealant

SECTION 2 - HAZARDS IDENTIFICATION

Emergency Overview

Neutral. Non-sag gunnable paste. May cause slight irritation to the respiratory system. 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 slight irritation to the respiratory system.
 Eyes : Direct contact may cause moderate irritation.
 Ingestion : May cause irritation to the mouth, throat and stomach.
 Skin : May cause mild irritation.

Aggravated Medical Conditions

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

Chronic Health Effects

Possible skin sensitization. As a by-product of curing up to 4% Methyl Ethyl Ketoxime (MEKO) may be released within product. Repeated and prolonged exposure to MEKO can cause allergic skin reaction. It may adversely affect the blood, (methemoglobinemia and anemia). Prolonged or repeated exposure to butyl benzyl phthalate may cause reduced body weights and adverse effects on the liver, kidney, spleen, pancreas, and reproductive organs. Organosilane may cause liver injury with fibrosis after repeated and prolonged overexposure. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Target Organs: Skin, Blood, Lung, Liver, Kidney

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Calcium carbonate	471-34-1	40.0 - 70.0
Polymers	NJ TSRN# 51721300-5795P	30.0 - 60.0
Butyl benzyl phthalate	85-68-7	10.0 - 30.0
Diisodecyl phthalate	26761-40-0	1.0 - 5.0
Adhesion Promoter	NJ TSRN# 51721300-5809P	1.0 - 5.0

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SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation	:	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	:	Clean area of contact thoroughly using 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	:	Smoke, fumes. Carbon monoxide and carbon dioxide can form. Silicon oxides and trace amounts of MEKO.
Protective equipment for firefighters	:	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
Fire and explosion conditions	:	This product not expected to ignite under normal conditions of use.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Keep out of water courses. Scrape up and transfer to appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Do not use in confined or poorly ventilated areas. 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. Store in sealed containers in a cool, dry, ventilated warehouse location.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

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- Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved respirator, as directed by the manufacturer, when the airborne contaminant level(s) exceed the exposure limits indicated on the MSDS.
- Hand protection : Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Use safety glasses if eye contact is likely.
- Skin and body protection : Prevent contact with shoes and clothing.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures : General ventilation is sufficient.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Calcium carbonate	471-34-1	OSHA PEL:	5 mg/m ³	Respirable fraction.
		OSHA PEL:	15 mg/m ³	Total dust.
		OSHA TWA:	15 mg/m ³	Total dust.
		OSHA TWA:	5 mg/m ³	Respirable fraction.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Form : Non-sag gunnable paste
- Color : Neutral
- Odor : Oxime
- 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 : 1.37
- % Volatile Weight : 1 %

SECTION 10 - REACTIVITY / STABILITY

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

SECTION 11 - TOXICOLOGICAL INFORMATION

Calcium carbonate, CAS-No.: 471-34-1



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Acute oral toxicity (LD-50 oral) 6,450 mg/kg (Rat)

Butyl benzyl phthalate, CAS-No.: 85-68-7

Acute oral toxicity (LD-50 oral) 13,500 mg/kg (Rat)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method : Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with 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 : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard

OSHA Hazardous Components :

Calcium carbonate 471-34-1

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

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 18 g/l
exempt solvent)

VOC Method 310 : 1 %

U.S. State Regulations:

MASS RTK Components :	Calcium carbonate	471-34-1
	Butyl benzyl phthalate	85-68-7
	Isophorone Diisocyanate	4098-71-9



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Penn RTK Components	:	Calcium carbonate Polymers Butyl benzyl phthalate Diisodecyl phthalate	471-34-1 NJ TSRN# 51721300-5795P 85-68-7 26761-40-0
NJ RTK Components	:	Calcium carbonate Polymers Butyl benzyl phthalate Diisodecyl phthalate Adhesion Promoter	471-34-1 NJ TSRN# 51721300-5795P 85-68-7 26761-40-0 NJ TSRN# 51721300-5809P

Components under California Proposition 65:
WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm

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

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| <ul style="list-style-type: none"> ACGIH - American Conference of Governmental Hygienists CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act DOT - Department of Transportation DSL - Domestic Substance List EPA - Environmental Protection Agency HMIS - Hazardous Materials Information System IARC - International Agency for Research on Cancer MSHA - Mine Safety Health Administration NDSL - Non-Domestic Substance List NIOSH - National Institute for Occupational Safety and Health NTP - National Toxicology Program OSHA - Occupational Safety and Health Administration | <ul style="list-style-type: none"> PEL - Permissible Exposure Limit RCRA - Resource Conservation and Recovery Act RTK - Right To Know SARA - Superfund Amendments and Reauthorization Act STEL - Short Term Exposure Limit TLV - Threshold Limit Value TSCA - Toxic Substances Control Act TWA - Time Weighted Average V - Volume VOC - Volatile Organic Compound WHMIS - Workplace Hazardous Materials Information System |
|---|---|

UNIVERSAL C/P BRONZE

Version 1.1

Print Date 07/03/2009

REVISION DATE: 09/01/2006

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : UNIVERSAL C/P BRONZE
 Product code : 015101 529

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

SECTION 2 - HAZARDS IDENTIFICATION**Emergency Overview**

Bronze. Paste. No serious effects anticipated under normal conditions of use. Generally not required under normal conditions of use.

Acute Potential Health Effects/ Routes of Entry

Inhalation : No serious effects anticipated under normal conditions of use.
 Eyes : Slightly irritating.
 Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.
 Skin : No effects anticipated.

Aggravated Medical Conditions

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

Chronic Health Effects

Carbon black is classified by IARC to be a known animal carcinogen and a possible human carcinogen (Group 2B). Carbon black is encapsulated by resin and not expected to have adverse effects unless made airborne. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Diisodecyl phthalate	26761-40-0	40.0 - 70.0
Iron oxide	51274-00-1	15.0 - 40.0
Titanium dioxide	13463-67-7	7.0 - 13.0
Iron oxide	1309-37-1	7.0 - 13.0
Carbon Black	1333-86-4	5.0 - 10.0

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation : Generally not required under normal conditions of use.
 Eye contact : Flush with water for 15 minutes. If irritation persists, get medical attention.
 Skin contact : Wash with water. If irritation, rash or other disorders develop, get medical attention



UNIVERSAL C/P BRONZE

Print Date 07/03/2009

Version 1.1

REVISION DATE: 09/01/2006

Ingestion : immediately.
 : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point : 232 °C, 450 °F
 Method : Setflash Closed Cup
 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 : Smoke, fumes. Carbon monoxide and carbon dioxide 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 : This product not expected to ignite under normal conditions of use. Product may ignite if heated in excess of its flash point.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Scrape up and transfer to appropriate container for disposal.

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. Store in sealed containers in a cool, dry, ventilated warehouse location.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

Respiratory protection : Not required under normal conditions of use.
 Hand protection : Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
 Eye protection : Wear appropriate eye protection. Use safety glasses if eye contact is likely.
 Protective measures : Use professional judgment in the selection, care, and use.
 Engineering measures : General ventilation is sufficient. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

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Chemical Name	CAS Number	Regulation	Limit	Form
Titanium dioxide	13463-67-7	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	10 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3	Total dust. Total dust. Respirable fraction.
Iron oxide	1309-37-1	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	5 mg/m3 10 mg/m3 15 mg/m3 5 mg/m3	Dust and fume.as Fe Fume. Total dust. Respirable fraction.
Carbon Black	1333-86-4	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	3.5 mg/m3 3.5 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable fraction.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form	: Paste
Color	: Bronze
Odor	: Ester
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	: 1.56
% Volatile Weight	: 0 %

SECTION 10 - REACTIVITY / STABILITY

Substances to avoid	: Oxidizing agents.
Stability	: Material is stable under normal storage, handling, and use.
Hazardous polymerization	: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

No Data Available



UNIVERSAL C/P BRONZE

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SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method : Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with 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 : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard

OSHA Hazardous Components :

Titanium dioxide	13463-67-7
Iron oxide	1309-37-1
Carbon Black	1333-86-4

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

OSHA Flammability : IIIB

Regulatory VOC (less water and : 0 g/l
exempt solvent)

VOC Method 310 : 0 %

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

U.S. State Regulations:

MASS RTK Components	:	Titanium dioxide	13463-67-7
		Iron oxide	1309-37-1
		Carbon Black	1333-86-4

Penn RTK Components : Diisodecyl phthalate 26761-40-0



UNIVERSAL C/P BRONZE

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	Iron oxide	51274-00-1
	Titanium dioxide	13463-67-7
	Iron oxide	1309-37-1
	Carbon Black	1333-86-4
NJ RTK Components	: Diisodecyl phthalate	26761-40-0
	Iron oxide	51274-00-1
	Titanium dioxide	13463-67-7
	Iron oxide	1309-37-1
	Carbon Black	1333-86-4

Chemicals known to the State of California to cause cancer birth defects and/or other reproductive harm:
 1333-86-4 Carbon Black

SECTION 16 - OTHER INFORMATION

HMS Rating :

Health	1
Flammability	1
Reactivity	0
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

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| 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 |
| HMS - 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 | |