

Protecto Flex

MSDS Number: A165G

Revision Date: 3/30/15

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

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Product Name: Protecto Flex
Revision Date: 3/30/15
MSDS Number: A165G
Product Code: A165

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

2 HAZARDS IDENTIFICATION

Route of Entry: Inhalation, Ingestion, eye, skin
Target Organs: NA
Inhalation: May be fatal if swallowed and enters airways.
Skin Contact: Causes skin irritation.
Eye Contact: Direct contact with eyes may cause temporary irritation.
Ingestion: May be fatal if swallowed and enters airways.

PERSONAL PROTECTION INDEX										
A					G					
B					H					
C					I					
D					J					
E					K					
F					X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions				
A	n	O	p	q	r	S				
<small>Safety Glasses</small>	<small>Splash Goggles</small>	<small>Face Shield & Eye Protection</small>	<small>Gloves</small>	<small>Boots</small>	<small>Synthetic Fabric</small>	<small>Full Suit</small>				
t	u	w	y	Z	<small>Additional Information</small>					
<small>Dust Respirator</small>	<small>Vapor Respirator</small>	<small>Dust & Vapor Respirator</small>	<small>Full Face Respirator</small>	<small>Airline Hood or Mante</small>						

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GHS Signal Word:

DANGER

GHS Hazard Pictograms:



GHS Classifications:

- Physical, Flammable Aerosols, 1
- Health, Aspiration hazard, 1
- Health, Skin corrosion/irritation, 2
- Environmental, Hazards to the aquatic environment - Acute, 3
- Environmental, Hazards to the aquatic environment - Chronic, 3

GHS Phrases:

- H222 - Extremely flammable aerosol
- H304 - May be fatal if swallowed and enters airways
- H315 - Causes skin irritation
- H402 - Harmful to aquatic life
- H412 - Harmful to aquatic life with long lasting effects

GHS Precautionary Statements:

- P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P211 - Do not spray on an open flame or other ignition source.
- P251 - Pressurized container: Do not pierce or burn, even after use.
- P264 - Wash thoroughly after handling.
- P280 - Wear protective gloves.
- P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
- P303 - IF ON SKIN (or hair):Wash with plenty of water.
- P308+313 - IF exposed or concerned: Get medical advice/attention.
- P332+313 - If skin irritation occurs: Get medical advice/attention.
- P362 - Take off contaminated clothing and wash before reuse.
- P405 - Store locked up.
- P410 - Protect from sunlight.
- P412 - Do not expose to temperatures exceeding 50 °C/122 °F
- P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

80.02% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 80.02% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
106-97-8	Butane	20-40%	NA	1000	D
8052-41-3	Mineral spirits	20-40%	500	100	D
74-98-6	Propane	10-20%	1000	NA	D
64741-66-8	Synthetic Isoparaffinic Hydrocarbon	10-20%	NA	NA	D
Other components below reportable levels		20-40%			

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FIRST AID MEASURES

- Inhalation:** If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.
- Skin Contact:** Remove contaminated clothing. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.
- Eye Contact:** Rinse with water. Get medical attention if irritation develops and persists.
- Ingestion:** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Aspiration may cause pulmonary edema and pneumonitis.

Irritant effects are the most important symptoms/effects, acute and delayed.

Provide general supportive measures and treat symptomatically.

Ensure that medical personnel are aware of material(s) involved, and take precautions to protect themselves. If you fell unwell, see medical advice (show the label where possible). Wash contaminated clothing before reuse.

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FIRE FIGHTING MEASURES

Flammability: Extremely flammable aerosol
Flash Point: -156 Deg F (-104.44 Deg C) Propellant estimated

Extinguishing media: Powder. Water. Foam. Carbon dioxide (CO2).

Unusual Fire & Explosion Hazard: Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Special Fire fighting procedures: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.

Extremely flammable aerosol.

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ACCIDENTAL RELEASE MEASURES

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

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7 HANDLING AND STORAGE

Handling Precautions: Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Ground and bond containers when transferring material. Do not re-use empty containers. Avoid contact with skin. Avoid contact with eyes. Use only in well-ventilated areas. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Do not empty into drains.

Storage Requirements: Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50C/122F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 3 Aerosol.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established maintain airborne levels to an acceptable level.

Personal Protective Equip: HMIS PP, B | Goggles, Gloves
Respiratory Protection: If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.
Protective gloves: Use chemical resistant gloves.
Eye protection: Wear eye/face protection. Wear Safety glasses with side shields (or goggles).

Wear appropriate chemical resistant clothing.

Wear appropriate thermal protective clothing, when necessary.

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark brown liquid

Physical State: Gas

Spec Grav./Density: NA

Boiling Point: NA

Vapor Pressure: NA

pH: NA

Odor: Solvent

Solubility: NA

Percent Volatile: NA

Flash Point: -156 Deg F (-104.44 Deg C) Propellant ester

Octanol: NA

Vapor Density: NA

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STABILITY AND REACTIVITY

Stability:	Stable and non-reactive under normal conditions of use, storage and transport.
Conditions to Avoid:	Avoid temperatures exceeding the flash point.
Materials to Avoid:	Strong oxidizing agents. Fluorine. Chlorine. Nitrates.
Hazardous Decomposition:	No hazardous decomposition products are known.
Hazardous Polymerization:	Will not occur

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TOXICOLOGICAL INFORMATION

- Ingestion May be fatal if swallowed and enters airways.
- Inhalation May be fatal if swallowed and enters airways.
- Skin contact Causes skin irritation
- Eye contact Direct contact with eyes may cause temporary irritation.
- Acute toxicity May be fatal if swallowed and enters airways.

Components:

Butane (CAS 106-97-8)

- Inhalation LC50 1237 mg/l, 120 mins. (Mouse)
LC50 52%, 120 minutes (Mouse)
LC50 1355 mg/l (Rat)

Propane (CAS 74-98-6)

- Inhalation LC50 1237 mg/l, 120 mins. (Mouse)
LC50 52%, 120 minutes (Mouse)
LC50 1355 mg/l (Rat)
LC50 658 mg/l, 4h (Rat)

Synthetic Isoparaffinic Hydrocarbon (CAS 64741-66-8)

- Dermal LD50 >1900 mg/kg, 24 h (Rabbit)
- Inhalation LC50 >5020 mg/m³, 4 h (Rat)
LC50 >4980 mg/m³ (Rat)
LC50 >4980 mg/m³, 4 h (Rat)
LC50 >4.96 mg/l, 4 h (Rat)
- Oral LD50 4820 mg/kg (Rat)

Causes skin irritation

Direct contact with eyes may cause temporary irritation.

This product is not expected to cause skin sensitization.

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

This product is not expected to cause reproductive or developmental effects.

May be fatal if swallowed and enters airways.

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ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

No data is available on the degradability of this product.

No data is available on the bioaccumulative potential of this product.

Partition coefficient n-octanol/water (log Kow)

Butane	2.89
Mineral Spirits	3.16-7.15
Propane	2.36

No data on the mobility in soil.

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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DISPOSAL CONSIDERATIONS

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Dispose in accordance with all applicable regulations.

The waste code should be assigned in discussion between user, the producer and the waste disposal company.

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

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TRANSPORT INFORMATION

DOT

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	None
Packing group	Not applicable
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity until 12/31/2020, the "Consumer Commodity-ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/21/20 and may be used now in place of the "Consumer Commodity ORM-D" marking on both and may be displayed concurrently.

IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	No
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Forbidden
Aircraft	
Cargo aircraft only	Forbidden
Packaging exceptions	LTD QTY

IMDG

UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	None
Packing group	Not applicable
Environmental hazards	
Marine pollutant	No.
EmS	Not available.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Packaging exceptions	LTD QTY
Transport in bulk according to AnnexII of MARPOL 73/78 and	Not applicable.

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the IBC Code



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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

- *Butane (106978 20-40%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR
- *Mineral spirits (8052413 20-40%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Propane (74986 10-20%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR
- *Synthetic Isoparaffinic Hydrocarbon (64741668 10-20%) TSCA

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level
TSCA = Toxic Substances Control Act
NJHS = NJ Right-to-Know Hazardous Substances

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OTHER INFORMATION

We believe the statements technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemical listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal data only
N/A = Not available N/D = Not determined