

Grip

MSDS Number: A110F

Revision Date: 10/15/2015

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1	PRODUCT AND COMPANY IDENTIFICATION
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Manufacturer

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Product Name: Grip
Revision Date: 10/15/2015
MSDS Number: A110F
Product Code: A110
Product Use: Belt Dressing

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

2	HAZARDS IDENTIFICATION
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- Route of Entry:** Inhalation, skin absorption, ingestion, eye
- Inhalation:** May cause drowsiness and dizziness. Headache. Nausea, vomiting. Narcotic effects. Prolonged inhalation may be harmful.
- Skin Contact:** Causes skin irritation.
- Eye Contact:** Causes serious eye irritation.
- Ingestion:** Expected to be a low ingestion hazard.

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				
t		U		W		Y		Z		Additional Information						

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GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Aerosols, 1
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Specific target organ toxicity - Single exposure, 3
Health, Germ cell mutagenicity, 2
Health, Carcinogenicity, 1

GHS Phrases:

H222 - Extremely flammable aerosol
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H341 - Suspected of causing genetic defects
H350 - May cause cancer

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
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.
P261 - Avoid breathing gas.
P264 - Wash thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 - IF ON SKIN: Wash with plenty of water.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.
Continue rinsing.
P337 - If eye irritation persists: Get medical advice/attention.
P321 - Specific treatment (see this label).
P362 - Take off contaminated clothing and wash before reuse.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P405 - Store locked up.
P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Symptoms related to the physical, chemical and toxicological characteristics:

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

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3	COMPOSITION/INFORMATION ON INGREDIENTS
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Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
106-97-8	Butane	20-40%	N/A	1000	D
79-01-6	Trichloroethylene	20-40%	100	10	A, B
9003-29-6	Isobutylene-/buten- copolymer	10-20%	N/A	N/A	D
74-98-6	Propane	10-20%	1000	N/A	D
106-88-7	1,2-Butylene oxide	0.1-1%	NA	2.0*	B
	Other Components below Reportable levels	2.5-10%			

*US workplace Environmental Exposure Level (WEEL)

4	FIRST AID MEASURES
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- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- Skin Contact:** Wash off with soap and water. Get medical attention if irritation develops and persists.
- Eye Contact:** Rinse with water. Get medical attention if irritation develops and persists.
- Ingestion:** Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed:

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Indication of immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information: IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

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FIRE FIGHTING MEASURES

Flammability:	Extremely Flammable Aerosol
Flash Point:	-156 Deg. F. (-104.4 C) Propellant estimated
Autoignition Temp:	779.98 F (415.55 C) estimated
LEL:	Not available
UEL:	Not available

Suitable extinguishing media: Powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Contents under pressure. Pressurized container may explode when exposed to heat or flame.

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

Fire-fighting equipment/instructions: Move containers from fire area if you can do so without risk. 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.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards: 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 and clothing during clean-up. Avoid breathing gas. 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 the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent product from entering drains. For waste disposal, see section 13 of the SDS.

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

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HANDLING AND STORAGE

Handling Precautions:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Storage Requirements:

Level 2 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. 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).

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Ventilation Requirement: 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. Eye wash facilities and emergency shower must be available when handling this product.

Personal Protective Equip:

Eye/face protection : Wear safety glasses with side shields (or goggles).

Hand protection: Wear appropriate chemical resistant gloves.

Skin protection: Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection : If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: 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.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance: (Aerosol concentrate only): Clear aerosol

Physical State: Gas

Spec Grav./Density: 0.816 estimated

Boiling Point: 194 Deg. F. (90 C) estimated

Vapor Pressure: 45-55 psig @ 70F estimated

pH: Not available

Odor: Not available

Solubility: Not available

Flash Point: -156 Deg. F. (-104.4 C) Propellant estimator

Vapor Density: Not available

VOC: 83.8%

Auto-Ignition Temp: 779.98 F (415.55 C) estimated

UFL/LFL: 43.8% / 6.7%

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STABILITY AND REACTIVITY

Stability: The product is stable and non-reactive under normal conditions of use, storage and transport.

Conditions to Avoid: Chemical stability Material is stable under normal conditions.

Materials to Avoid: Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Hazardous Decomposition: Strong oxidizing agents. Nitrates. Fluorine. Chlorine.

Hazardous Polymerization: No hazardous decomposition products are known.

Hazardous Polymerization: Will not occur

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TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Ingestion: Expected to be a low ingestion hazard.

Inhalation: May cause drowsiness and dizziness. Headache. Nausea, vomiting. Narcotic effects. Prolonged inhalation may be harmful.

Skin contact: Causes skin irritation.

Eye contact: Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics:

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity Narcotic effects.

Components:

Butane (CAS 106-97-8)

Acute

<i>Inhalation</i>	LC50	1237 mg/l, 120 Minutes	(Mouse)
	LC50	52 %, 120 Minutes	(Mouse)
	LC50	1355 mg/l	(Rat)

Isobutylen-/buten-copolymer (CAS 9003-29-6)

Acute

<i>Dermal</i>	LD50	> 2000 mg/kg, 24 Hours	(Rat)
<i>Inhalation</i>	LC50	> 19171 mg/m3	(Rat)
	LC50	> 4185 ppm	(Rat)
	LC50	> 3.8 mg/l, 7 Hours	(Rat)

Propane (CAS 74-98-6)

Acute

<i>Inhalation</i>	LC50	1237 mg/l, 120 Minutes	(Mouse)
	LC50	52 %, 120 Minutes	(Mouse)
	LC50	1355 mg/l	(Rat)
	LC50	658 mg/l/4h	(Rat)

Trichloroethylene (CAS 79-01-6)

Acute

<i>Dermal</i>	LD50	19031 mg/kg	(Rat)
<i>Inhalation</i>	LC50	12500 ppm, 4 Hours	(Rat)

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation: Causes skin irritation.

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Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitization:

Respiratory sensitization: Not available.

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: Suspected of causing genetic defects.

Carcinogenicity: May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

1,2-Butylene Oxide (CAS 106-88-7)

2B Possibly carcinogenic to humans.

Trichloroethylene (CAS 79-01-6)

If <1L: Consumer Commodity Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Trichloroethylene (CAS 79-01-6) Reasonably Anticipated to be a Human Carcinogen.

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

**Specific target organ toxicity - May cause drowsiness and dizziness
single exposure**

**Specific target organ toxicity - Not classified.
repeated exposure**

Aspiration hazard: Not likely, due to the form of the product.

Chronic effects: Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

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ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life with long lasting effects.

Product
GRIP (CAS Mixture)

Aquatic

Crustacea EC50 6.1487 mg/L, 48 Hours estimated (Daphnia)
Fish LC50 144.4846 ppm, 96 hours estimated (Fish)

Components
1,2-Butylene Oxide (CAS 106-88-7)

Aquatic

Algae IC50 500 mg/L, 72 Hours (Algae)
Crustacea EC50 69.8 mg/L, 48 Hours (Daphnia)
Fish LC50 160, 96 Hours (Fish)

Trichloroethylene (CAS 79-01-6)

Aquatic

Crustacea EC50 2.2 mg/L, 48 Hours (Daphnia)
Fish LC50 40.8933, 96 Hours (Fish)
LC50 3.1 mg/l, 96 hours Flagfish (Jordanella floridae)

* Estimates for product may be based on additional component data not shown.

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

Partition coefficient n-octanol / water (log Kow)

Butane 2.89
Propane 2.36
Trichloroethylene 2.61

Mobility in soil: No data available.

Other adverse effects: 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. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Disposal of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations: Dispose in accordance with all applicable regulations.

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

US RCRA Hazardous Waste U List: Reference
Trichloroethylene (CAS 79-01-6) U228

Waste from residues / unused products: 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).

Contaminated packaging: 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	6.1 (PGIII)
Label(s)	2.1,6.1
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 12/31/20 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, containing substances in Division 6.1, Packing Group III
Transport hazard class(es)	
Class	2.1
Subsidiary risk	6.1 (PGIII)
Packing group	Not applicable
Environmental hazards	No
ERG Code	10P
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed
Aircraft	
Cargo aircraft only	Allowed
Packaging exceptions	LTD QTY

IMDG

UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	
Class	2.1
Subsidiary risk	6.1 (PGIII)
Packing group	Not applicable
Environmental hazards	
Marine pollutant	No.
EmS	F-D,S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Packaging exceptions	NOT a LTD QTY
Transport in bulk according to AnnexII of MARPOL 73/78 and the IBC Code	Not applicable.

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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Butane (106978 20-40%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

*Trichloroethylene (79016 20-40%) CERCLA, CSWHS, EPCRAWPC, HAP, HWRCRA, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

*Isobutylene-/buten-copolymer (9003296 10-20%) TSCA

*Propane (74986 10-20%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

*1,2-Butylene oxide (106887 0.1-1%) CERCLA, HAP, MASS, NJHS, PA, SARA313, TSCA, TXAIR

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Trichloroethylene (CAS 79-01-6) Listed: April 1, 1988

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
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EPCRAWPC = EPCRA Water Priority Chemicals
HAP = Hazardous Air Pollutants
HWRCRA = RCRA Hazardous Wastes
NJHS = NJ Right-to-Know Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
PROP65 = CA Prop 65
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean Water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXHWL = TX Hazardous waste List
TSCA = Toxic Substances Control Act



SDS

GHS Safety Data Sheet

Wechem, Inc.

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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