

Eradicator

MSDS Number: A100D

Revision Date: 7/14/2015

Page 1 of 10

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
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Harahan, LA 70123

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Product Name: Eradicator
Revision Date: 7/14/2015
MSDS Number: A100D
Product Code: A100
Product Use: Carpet & Upholstery Spot Remover

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

2 HAZARDS IDENTIFICATION

Route of Entry: Ingestion, skin absorption, eye, inhalation

Inhalation: Prolonged inhalation may be harmful.

Skin Contact: No adverse effects due to skin contact are expected.

Eye Contact: Causes temporary 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			p	q	r	s			
Safety Glasses	Splash Goggles	Face Shield & Eye Protection	Gloves	Boots	Synthetic Fabric	Full Suit				
t	u	w	y	z	Additional Information					
Dust Respirator	Vapor Respirator	Dust & Vapor Respirator	Full Face Respirator	Airline Hood or Mask						

Eradicator

MSDS Number: A100D

Revision Date: 7/14/2015

Page 2 of 10

GHS Signal Word:

DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Aerosols, 1

GHS Phrases:

H222 - Extremely flammable aerosol

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 hands after handling.

P301 - IF SWALLOWED: Rinse mouth. Get medical attention if symptoms occur.

P302 - IF ON SKIN: Wash hands after handling.

P304 - IF INHALED: Move to fresh air. Call a physician if symptoms develop or persist.

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

P313 - Get medical advice/attention if irritation develops and persists.

P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

P501 - Dispose of waste and residues in accordance with local authority requirements.

Eradicator

MSDS Number: A100D

Revision Date: 7/14/2015

Page 3 of 10

3

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
106-97-8	Butane	2.5-10%	NA	1000	D
111-90-0	Diethylene glycol monoethyl ether	2.5-10%	NA	NA	D
67-63-0	Isopropyl alcohol	2.5-10%	400	200	D
74-98-6	Propane	1-2.5%	1000	NA	D
Other components below reportable levels		60-80%			

4

FIRST AID MEASURES

- Inhalation:** Move to fresh air. Call a physician if symptoms develop or persist.
- Skin Contact:** Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
- Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
- Ingestion:** In the unlikely event of swallowing, contact a physician or poison control center.

Eradicator

MSDS Number: A100D

Revision Date: 7/14/2015

Page 4 of 10

5

FIRE FIGHTING MEASURES

Flammability: Extremely Flammable Aerosol
Flash Point: -156 Deg F (-104.4 Deg C) Propellant estimated

Extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Do not use water jet as an extinguisher, as this will spread the fire.

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. 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. In the event of fire and/or explosion do not breathe fumes.

Extremely flammable aerosol.

6

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. 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. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Avoid discharge into drains, water courses or onto the ground.

Eradicator

MSDS Number: A100D

Revision Date: 7/14/2015

Page 5 of 10

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. Do not re-use empty containers. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Level 1 Aerosol

Storage Requirements:

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).

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:

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

Protective gloves: Wear appropriate chemical resistant gloves.

Eye 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:

Aerosol

Physical State:

Gas

Odor Threshold:

NA

Spec Grav./Density:

(H20=1): 0.94 estimated

Boiling Point:

212 F (100 C) estimated

Flammability:

Extremely Flammable

Vapor Pressure:

60 psig @ 70 F estimated

Odor:

Not available

Flash Point:

-156 Deg F (-104.4 Deg C) Propellant estim

UFL/LFL:

12% estimated / not available

Eradicator

MSDS Number: A100D

Revision Date: 7/14/2015

Page 6 of 10

10

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. Contact with incompatible materials.
Materials to Avoid:	Strong oxidizing agents. Isocyanates. Chlorine.
Hazardous Decomposition:	No hazardous decomposition products are known.
Hazardous Polymerization:	Does not occur.

11

TOXICOLOGICAL INFORMATION

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.

Components:

Butane (CAS 106-97-8)

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

Diethylene glycol monoethyl ether (CAS 111-90-0)

Dermal	LD50 5900 mg/kg, Days (Guinea pig)
	LD50 8500 mg/kg, 2 h, (Rabbit)
	LD50 8476 mg/kg, 24 h, (Rabbit)
	LD50 7714 mg/kg (Rabbit)
Oral	LD50 4970 mg/kg (Guinea pig)
	LD50 6031 mg/kg (Mouse)
	LD50 5600 mg/kg (Rabbit)
	LD50 5600 mg/kg (Rat)
	LD50 5.4 ml/kg (Rat)

Isopropyl alcohol (67-63-0)

Dermal	LD50 16.4 ml/kg, 24 hrs (Rabbit)
Inhalation	LC50 >10000 ppm, 6 hrs (Rat)
Oral	LD50 5.84 g/kg (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)

Prolonged skin contact may cause temporary irritation.
Direct contact with eyes may cause temporary irritation.

This product is not expected to cause skin sensitization.

Eradicator

MSDS Number: A100D

Revision Date: 7/14/2015

Page 7 of 10

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.

12

ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components:

Diethylene glycol monoethyl ether (CAS 111-90-0)
Fish LC50 >10000 mg/l, 96 h, Bluegill (Lepomis macrochirus)

Isopropyl alcohol (67-63-0)

Aquatic

Algae IC50 10000.0001 mg/L, 72 hrs (Algae)
Crustacea EC50 13299 mg/L, 48 hrs. (Daphnia)
Fish LC50 >1400 mg/l, 96 hrs Bluegill (Lepomis macrochirus)

No data is available on the degradability of this product.

No data on bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Butane 2.89
Diethylene glycol monoethyl ether -0.54
Isopropyl alcohol 0.05
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.

Eradicator

MSDS Number: A100D

Revision Date: 7/14/2015

Page 8 of 10

13

DISPOSAL CONSIDERATIONS

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. 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.

Eradicator

MSDS Number: A100D

Revision Date: 7/14/2015

Page 9 of 10

14

TRANSPORT INFORMATION

DOT

UN number UN1950
UN proper shipping name Aerosols, flammable (each not exceeding 1 L capacity)
Transport hazard class(es)
Class 2.1
Subsidiary risk -
Label(s) 2.1
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
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 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 -
Label(s) 2.1
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 LTD QTY
Transport in bulk according to AnnexII of MARPOL 73/78 and Not applicable.

Eradicator

MSDS Number: A100D

Revision Date: 7/14/2015

Page 10 of 10

the IBC Code

15

REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

-
- *Butane (106978 2.5-10%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR
 - *Diethylene glycol monoethyl ether (111900 2.5-10%) HAP, TSCA, TXAIR
 - *Isopropyl alcohol (67630 2.5-10%) MASS, NJHS, NRC, OSHAWAC, PA, TSCA, TXAIR
 - *Propane (74986 1-2.5%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR
 - *Ammonia, anhydrous (7664417 n/a%) EHS302
 - *2-Ethoxyethanol (110805 n/a%) PROP65

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
HAP = Hazardous Air Pollutants
NJHS = NJ Right-to-Know Hazardous Substances
TSCA = Toxic Substances Control Act
NRC = Nationally Recognized Carcinogens
CERCLA = Superfund clean up substance
CSWS = Clean water Act Hazardous substances
EHS302 = Extremely Hazardous Substance
PROP65 = CA Prop 65

16

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