

## Force 200

MSDS Number: A97B

Revision Date: 7/14/2016

Page 1 of 9

<b>1</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
----------	---

### Manufacturer

Wechem, Inc  
5734 Susitna Dr  
Harahan, LA 70123

**Contact:** Ligia M. Hernandez  
**Phone:** 504-733-1152  
**Fax:** 504-733-2218  
**Web:** www.wechem.com

**Product Name:** Force 200  
**Revision Date:** 7/14/2016  
**MSDS Number:** A97B  
**Product Code:** A97  
**Product Use:** Non-Flammable Degreasing Solvent

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

<b>2</b>	<b>HAZARDS IDENTIFICATION</b>
----------	-------------------------------

**Route of Entry:** Ingestion, Inhalation, skin absorption, eye  
**Target Organs:** N/A  
**Inhalation:** Harmful if inhaled.  
**Skin Contact:** No adverse effects due to skin contact.  
**Eye Contact:** May cause 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			
<b>A</b>		<b>n</b>		<b>o</b>		<b>p</b>		<b>q</b>		<b>r</b>		<b>s</b>		
<b>t</b>		<b>u</b>		<b>w</b>		<b>y</b>		<b>z</b>		Additional Information				

## Force 200

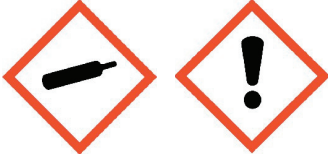
MSDS Number: A97B

Revision Date: 7/14/2016

Page 2 of 9

GHS Signal Word:  
WARNING

GHS Hazard Pictograms:



GHS Classifications:  
Physical, Gases Under Pressure, Compressed Gas  
Health, Acute toxicity, 4 Inhalation

GHS Phrases:  
H280 - Contains gas under pressure; may explode if heated  
H332 - Harmful if inhaled

GHS Precautionary Statements:  
P260 - Avoid breathing gas.  
P271 - Use only outdoors or in a well-ventilated area.  
P301+330+331 - IF SWALLOWED: Rinse mouth.  
P313 - Get medical advice/attention if symptoms occur.  
P302+352 - IF ON SKIN: Wash with soap and 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+313 - Get medical advice/attention if irritation develops and persists.  
P410+403 - Protect from sunlight. Store in a well ventilated place.  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

<b>3</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>
----------	---

**Ingredients:**

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
156-60-5	Trans-1,2-Dichloroethylene	60-80%	N/A	200	N/A
124-38-9	Carbon Dioxide	2.5-10%	5000	5000	D
163702-07-6	Methyl Nonafluorobutyl Ether	2.5-10%	N/A	750*	N/A
163702-08-7	Methyl Nonafluoroisobutyl Ether	2.5-10%	N/A	750*	N/A

Other components below reportable levels |10-20%|

\*US workplace Environmental Exposure Level (WEEL)

## Force 200

MSDS Number: A97B

Revision Date: 7/14/2016

Page 3 of 9

4

### FIRST AID MEASURES

- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. 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 or persists.
- Eye Contact:** Rinse with water. Get medical attention if irritation develops or persists.
- Ingestion:** Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects: Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5

### FIRE FIGHTING MEASURES

- Flammability:** Non-Flammable
- Flash Point:** Not available
- Autoignition Temp:** Not available

Extinguishing media: Water fog. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

Contents under pressure.

Special Fire fighting procedures: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special Fire fighting procedures:

In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. 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.

Cool containers exposed to flames with water until well after the fire is out.

## Force 200

MSDS Number: A97B

Revision Date: 7/14/2016

Page 4 of 9

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. Avoid breathing gas. Emergency personnel need self-contained breathing 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. Prevent entry into waterways, sewer, basements or confined areas. 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.

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. Ground and bond containers when transferring material. Do not re-use empty containers. Avoid breathing gas. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

#### Storage Requirements:

Contents under pressure. Do not expose to heat or store at temperatures above 120 F/49 C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Store away from incompatible materials ( see Section 10 of the SDS).

## Force 200

MSDS Number: A97B

Revision Date: 7/14/2016

Page 5 of 9

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: Appropriate chemical resistant gloves.  
Eye protection: Safety glasses with side shields/ goggles are recommended.

Wear appropriate chemical resistant clothing.

Wear appropriate thermal protective clothing, when necessary.

When using, do not eat, drink or 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

<b>Appearance:</b>	Aerosol	<b>Odor:</b>	Not available
<b>Physical State:</b>	Gas.	<b>Solubility:</b>	Not available
<b>Spec Grav./Density:</b>	1.319 estimated	<b>Flash Point:</b>	None estimated
<b>Boiling Point:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Vapor Pressure:</b>	85 psig @ 70 F estimated	<b>VOC:</b>	67.9%
<b>pH:</b>	Not available	<b>Auto-Ignition Temp:</b>	Not available
		<b>UFL/LFL:</b>	13.7% / 6.7%

10

### STABILITY AND REACTIVITY

**Stability:** Stable and non-reactive under normal conditions of use, storage and transport.

**Conditions to Avoid:** Contact with incompatible materials.

**Materials to Avoid:** Strong oxidizing agents.

**Hazardous Decomposition:** None known.

**Hazardous Polymerization:** Does not occur.

## Force 200

MSDS Number: A97B

Revision Date: 7/14/2016

Page 6 of 9

11

### TOXICOLOGICAL INFORMATION

- Ingestion Expected to be a low ingestion hazard.
- Inhalation Harmful if inhaled.
- Skin Contact No adverse effects due to skin contact are expected.
- Eye Contact Direct contact with eyes may cause temporary irritation.

Acute toxicity: Harmful if inhaled.  
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.  
Product is not likely to be an aspiration hazard due to the form of the product.

Chronic effects: Prolonged inhalation may be harmful.

12

### ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life with long lasting effects.

No data available on persistence and degradability of this product.  
No data available on the bioaccumulative potential of this product.

Partition coefficient n-octanol / water (log Kow)  
Trans-1,2-Dichloroethylene 2.06

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.

---

## Force 200

MSDS Number: A97B

Revision Date: 7/14/2016

Page 7 of 9

13

### DISPOSAL CONSIDERATIONS

Consult authorities before disposal. 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. 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 the user, the producer and the waste disposal company.

US RCRA Hazardous Waste U List: Reference.

Trans-1,2-dichloroethylene (156-60-5) U079

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.

## Force 200

MSDS Number: A97B

Revision Date: 7/14/2016

Page 8 of 9

14

### TRANSPORT INFORMATION

#### DOT

UN number UN1950  
UN proper shipping name Aerosols, non-flammable (each not exceeding 1 L capacity)  
Transport hazard class(es)  
Class 2.2  
Subsidiary risk -  
Label(s) 2.2  
Packing group Not applicable  
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.  
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, non-flammable  
Transport hazard class(es)  
Class 2.2  
Subsidiary risk -  
Label(s) 2.2  
Packing group Not applicable  
Environmental hazards No  
Special precautions for user 2L  
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 2.2  
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 the IBC Code Not applicable.



## Force 200

MSDS Number: A97B

Revision Date: 7/14/2016

Page 9 of 9

15

### REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

-----  
\*Trans- 1,2-Dichloroethylene (156605 60-80%) CERCLA, MASS, PA, PRIPOL, TOXICRCRA, TSCA, TXHWL

\*Carbon Dioxide Propellant (124389 2.5-10%) MASS, OSHAWAC, PA, TSCA, TXAIR

\*Methyl Nonafluorobutyl Ether(163702076 2.5-10%) TSCA

\*Methyl Nonafluoroisobutyl Ether (163702087 2.5-10%) TSCA

Not for sale or distribution in California, Utah, OTC or LADCO states

### REGULATORY KEY DESCRIPTIONS

-----  
MASS = MA Massachusetts Hazardous Substances List  
PA = PA Right-To-Know List of Hazardous Substances  
CERCLA = Superfund clean up substance  
OSHA = OSHA workplace Air Contaminants  
PRIPOL = Clean Water Act Priority Pollutants  
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)  
TXHWL = TX Hazardous Waste List  
TSCA = Toxic Substances Control Act  
TXAIR = TX Air Contaminants with Health Effects Screening Level

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