WECHEM Engineered Chemistries Superior Solutions **SDS**

Force 200 (Aerosol) (Rev. 1/9/24)

SDS Number: A97B

Revision Date: 1/9/2024

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer
Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

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Product Identifier: Force 200 (Aerosol) (Rev. 1/9/24)
SDS Number: A97B
Product Code: A97
Revision Date: 1/9/2024
Product Use: Non-Flammable Aerosol Degreasing Solvent

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

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Gases Under Pressure, Compressed Gas
Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 4 Inhalation
Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Skin corrosion/irritation, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: WARNING

GHS Hazard Pictograms:

GHS Hazard Statements:

H280 - Contains gas under pressure; may explode if heated
H302 - Harmful if swallowed
H332 - Harmful if inhaled
H320 - Causes eye irritation
H315 - Causes skin irritation

GHS Precautionary Statements:

P202 - Do not handle until all safety precautions have been read and understood.
P251 - Do not pierce or burn, even after use.
P260 - Avoid breathing gas.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/…
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+352 - IF ON SKIN: Wash with soap and water.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P313 - Get medical advice/attention if symptoms occur.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P337+313 - Get medical advice/attention if irritation develops and persists.
P410+403 - Protect from sunlight. Store in a well ventilated place.
P411 - Do not expose or store at temperatures above 49°C/120°F.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Ingestion,Inhalation, skin absorption, eye
Target Organs: N/A
Inhalation: Harmful if inhaled.
Skin Contact: May cause irritation.
Eye Contact: May cause irritation
Ingestion: Harmful if swallowed

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
156-60-5	83-95%	1,2-Dichloroethylene
0	5-20%	Proprietary blend of flourinated solvents
124-38-9	<5%	Carbon dioxide

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 iritation develops or persists.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minures. Remove contact lenses, if present and easy to do. Continue rinsing, get medical attention if irritation develops or persists.
Ingestion: Rinse mouth. Never give anything by mouth to an unconscious person. Only induce vomiting at the instructionof medical personnel If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. get medical attention if symptoms occur.

Symptoms of overexposure may be headache, dizzines, tiredness, nausea and vomiting. Severe eye irritation. Defatting of skin. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

5 FIRE FIGHTING MEASURES

Flammability: Non-Flammable
Flash Point: None
Autoignition Temp: Not determined

Extinguishing media: Carbon dioxide, dry chemical powder, alcohol resistant foam or polymer film (class ABC,BC fire extinguisher). Water may not be effective.

Contents under pressure. Pressurized container may explode when exposed to heat or flame. Containers may explode in fire. Toxic and corrosive fumes may be released if the material is exposed to high temperatures.

Wear self-contained breathing apparatus and full protective gear to prevent eye and skin contact.

Special Fire fighting procedures:
In case of fire: Stop leak if safe to do so. 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. ALWAYS stay away from tanks engulfed in flame.

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: Do not handle until all safety precautions have beenread and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not cut, weld, solder, drill grind or expose containers t heat, flame, sparks, or other sources of ignition. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Storage Requirements: Contents under pressure. Do not expose to heat or store at termperatures 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). Keep out of reach of children.

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 applicalbe, 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 Equipment:

Eyes: Wear safety glasses with side shields (or goggles)

Skin: Viton gloves are recommended. Suitable gloves can be recommended by the glove supplier. Wear suitable chemical resistant protective clothing.

Respiratory: Under normal conditions, to required. If misting occurs or in insufficiently ventilated areas, use NIOSH-approved organic vapor air-purifying respirator, self-contained breathing appartus, or air-supplied respirators where they may be potential for overexposure.

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.

1,2-Dichloroethylene cas#:(156-60-5) [83-95%]

Components with workplace control parameters

TWA 200 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment Eye irritation

Carbon dioxide cas#:(124-38-9) [<5%]

Components with workplace control parameters

TWA 5,000 ppm USA. ACGIH Threshold Limit Values (TLV)
Asphyxia

STEL 30,000 ppm USA. ACGIH Threshold Limit Values (TLV)
Asphyxia

TWA 10,000 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
18,000 mg/m3 1910.1000
Exposures under 10,000 ppm to be cited as de minimus.

STEL 30,000 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
54,000 mg/m3 1910.1000

TWA 5,000 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1
9,000 mg/m3 Limits for Air Contaminants
The value in mg/m3 is approximate.

TWA 5,000 ppm USA. NIOSH Recommended Exposure Limits
9,000 mg/m3
Normal constituent of air (about 300 ppm).

ST 30,000 ppm USA. NIOSH Recommended Exposure Limits
54,000 mg/m3
Normal constituent of air (about 300 ppm).

Proprietary blend of fluorinated solvents (CAS #----)
Manufacturer 8hr. TWA- 75ppm

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aerosol		
Physical State:	Gas.	**Odor:**	Mild, Ether-like
Spec Grav./Density:	1.28	**Solubility:**	Not determined
Boiling Point:	IBP- 111 F (44C)	**Flash Point:**	None
Vapor Pressure:	>350mm Hg	**Vapor Density:**	Approximately 3.7
pH:	6.5-7	**Auto-Ignition Temp:**	Not determined

Evap. Rate: > 6.0 nBuOAc= 1.0

10 STABILITY AND REACTIVITY

Chemical Stability: Stable and non-reactive under normal conditions of use, storage and transport.
Conditions to Avoid: Contact with incompatible materials. Heat, flames, and sparks.
Materials to Avoid: Alkali earth metal. Alkaline metals. Strong acids. Strong bases..
Hazardous Decomposition: Hydrogen chloride, carbon monoxide, carbon dioxide, chlorine, hydrofluoric acid.
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Ingestion Harmful if swallowed

Inhalation Prolonged inhalation may be harmful. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea..

Skin Contact Prolonge contact may cause irritation and defatting of skin, leading to discomfort and dermatitis.

Eye Contact Direct contact with eyes may cause temporary irritation.

Vapors may have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Severe eye irritation. My cause redness and pain. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Behavioral changes. Narcosis. Decrease in motor functions.

Chronic Effects: Prolonged inhalation may be harmful.

Mutagenicity: All components are not mutagenic by Ames TEst. This blend has not been tested.
Carcinogenicity: This product is not considered to be a carcinogen by IARC,ACGIH, NTP or OSHA.

Acute Toxiciry: In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. May be fatal if swallowed and enters airways. Narcotic effects. May cause drowsiness and dizziness. May cause damage to organs through prolonged or repeated overexposure.

1,2-Dichloroethylene cas#:(156-60-5) [83-95%]

Information on toxicological effects

Acute toxicity:
Oral LD50 LD50 Oral - rat - 1,235 mg/kg
LD50 Oral - mouse - 2,122 mg/kg Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Somnolence (general depressed activity). Behavioral:Ataxia.
Inhalation LC50 LC50 Inhalation - rat - 24100 ppm Remarks: Behavioral:Somnolence (general depressed activity).
Dermal LD50 LD50 Dermal - rabbit - > 5,000 mg/kg Remarks: Prolonged skin contact may cause skin irritation and/or dermatitis. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.
Other information on acute toxicity no data available

Skin corrosion/irritation: Skin - rabbit - Skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit - Eye irritation

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available
Aspiration hazar

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion Harmful if swallowed. Skin Harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: prolonged or repeated exposure can cause:, narcosis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: KV9400000

Carbon dioxide cas#:(124-38-9) [<5%]

Information on toxicological effects

Acute toxicity:
Oral LD50 no data available
Inhalation LC50
Dermal LD50
Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May cause severe frostbite. May be harmful if absorbed through skin. May cause skin

Eyes May cause eye irritation. Aggravated Acts as a simple asphyxiant by displacing air. , Medical Condition

Signs and Symptoms of Exposure: Nausea, Dizziness, Headache, Low to medium concentrations of carbon dioxide can:, affect regulation of blood circulation, affect the acidity of body fluids, respiratory difficulties, At high concentrations:, Breathing difficulties, Increased pulse rate, change in body acidity, Very high concentrations can cause:, Unconsciousness, death

Synergistic effects: no data available

Additional Information:

RTECS: FF6400000

12 ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life with long lasting effects.

1,2-Dichloroethylene cas#:(156-60-5) [83-95%]

Information on ecological effects

Toxicity:
Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 220.00 mg/l - 48 h.
and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Harmful to aquatic life.

Carbon dioxide cas#:(124-38-9) [<5%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Persistence and degradability:

ODP:	0
GWP:	Approximately 35
Koc:	38
Bioconcentration factor:	ND
Hydrolysis half-life:	ND
Half life in atmosphereL	5-12 days
Volatilization half-life from surface water:	ND

Bioaccumulation potential
LOG Kow (Bioaccumulation): ND

Mobility in Soil: ND

No other adverse environmental effects are expected from this product.

13 DISPOSAL CONSIDERATIONS

.
This product is not regulated as hazardous waste under RCRA. Do not allow this material to drain into sewers;water supplies. Do not contaminate ponds, waterways or ditches with chemicalor used container. Dispose of waste in compliance with all applicable regulations.

Unused product may be recertfied or reclaimed. Empty containers may be recycled.

14 TRANSPORT INFORMATION

UN No.	1950	
UN Proper Shipping Name:	DOT	Aerosols, non-flammable, limited quantity
	IATA	Aerosols, non-flammable, limited quantity
	IMDG	Aerosol, limited quantity
Transport hazard classes	2.2	
Packing group	N/A	
Marine Pollutant	No	
Special precautions	Read safety instructions, SDS and emergency procedures before handling.	

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[83-95%] 1,2-Dichloroethylene (156-60-5) CERCLA, MASS, PA, PRIPOL, TOXICRCRA, TSCA, TXHWL

[5-20%] Proprietary blend of fluorinated solvents (0)

[<5%] Carbon dioxide (124-38-9) MASS, OSHAWAC, PA, TSCA, TXAIR

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

CERCLA = Superfund clean up substance
MASS = MA Massachusetts Hazardous Substances List
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TXHWL = TX Hazardous Waste List
OSHAWAC = OSHA Workplace Air Contaminants
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.
N/A = Not available N/D = Not determined

Revision Date: 1/9/2024