WECHEM Engineered Chemistries Superior Solutions **SDS**

Force 100

SDS Number: A95I

Revision Date: 6/6/2023

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer
Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

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Web: www.wechem.com

Product Identifier: Force 100
SDS Number: A95I
Product Code: A95
Revision Date: 6/6/2023
Product Use: 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, 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
Environmental, Hazards to the aquatic environment - Acute, 3
Environmental, Hazards to the aquatic environment - Chronic, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:

GHS Hazard Statements:

H280 - Contains gas under pressure; may explode if heated
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
H402 - Harmful to aquatic life
H412 - Harmful to aquatic life with long lasting effects

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Avoid breathing mist or vapor.
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 - IF ON SKIN: Wash with plenty of 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.
P308+313 - IF exposed or concerned: Get medical advice/attention.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P321 - Specific treatment (see this label).
P332+313 - If skin irritation occurs: Get medical advice/attention.
P337 - If eye irritation persists: Get medical advice/attention.
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+403 - Protect from sunlight. Store in a well ventilated place.
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: May cause drowsiness and dizziness.
Inhalation: Prolonged inhalation may be harmful. May cause drowsiness and dizziness. Headache.Nausea, vomiting.
Skin Contact: Causes skin irritation.
Eye Contact: Causes serious eye irritation.
Ingestion: Expected to be a low ingestion hazard.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:

CAS#	%	Chemical Name:
79-01-6	90-100%	Trichloroethylene
124-38-9	1-2.5%	Carbon dioxide

4 FIRST AID MEASURES

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: Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medial advice/attention. Wash contaminated clothing before reuse. Wash clothing separately before reuse.
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 or persists.
Ingestion: No likely, due to the form of the product. In the unlikely event of swallowing, contact a physician or poison control center. Rinse mouth.

Most important symptoms/effects: May cause drowsiness and dizziness. Headache. Nausea, vomiting.Serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

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

If exposed or concerned: get medical attention/advice. 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.

5 FIRE FIGHTING MEASURES

Flammability: Not available
Flash Point: None estimated

Autoignition Temp: 788 F (420 C) Estimated
Extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

During fire, gases hazardous to health may be formed.

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.

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

6 ACCIDENTAL RELEASE MEASURES

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). 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. 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. 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 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: 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 ingnition. Ground and bond containers when transferring material. Do not re-use empty containers. Do not prolong exposure. Avoid breathing gas. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure.Should be handled in closed systems, if possible. 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: Store locked up. Contents under pressure. Do not expose to heat or store at temperature 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. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over.

Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS).

Level 1 Aerosol (NFPA 30B)

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

Personal Protective Equipment: 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. Suitable gloves can be recommended by the glove supplier.
Eye protection: Safety glasses with side shields or goggles.

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

Wear appropriate thermal protective clothing, when necessary.

Observe any medical surveillance requirements. 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.

Trichloroethylene cas#:(79-01-6) [90-100%]

Components with workplace control parameters

TWA	50 ppm 270 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Skin notation

STEL	200 ppm 1,080 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Skin notation

TWA	100 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z2 Z37.19- 1967
CEIL	200 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z2 Z37.19- 1967
Peak	300 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z2 Z37.19- 1967
TWA	10 ppm	USA. ACGIH Threshold Limit Values (TLV)

Central Nervous System impairment cognitive decrement Renal toxicity Suspected human carcinogen

STEL	25 ppm	USA. ACGIH Threshold Limit Values (TLV)

Central Nervous System impairment cognitive decrement Renal toxicity Suspected human carcinogen
Potential Occupational Carcinogen See Appendix C See Appendix A

Carbon dioxide cas#:(124-38-9) [1-2.5%]

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).

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aerosol. Compressed gas.		
Physical State:	Liquid.	**Odor:**	Not available
Spec Grav./Density:	1.516 estimated	**Solubility:**	Not available
Boiling Point:	188.96 F (87.2 C) estimated	**Heat Value:**	NA
Flammability:	Not available	**Flash Point:**	None estimated
Vapor Pressure:	100-120 psig @ 70F estimated	**Octanol:**	NA
pH:	Not applicable	**Vapor Density:**	Not available
		VOC:	96.45 % estimated
		Auto-Ignition Temp:	788 F (420 C) Estimated
		UFL/LFL:	52% / 7.8%

10 STABILITY AND REACTIVITY

Reactivity:	Stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Material is stable under normal conditions.
Conditions to Avoid:	Heat. Contact with incompatible materials.
Materials to Avoid:	Strong oxidizing agents.
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 May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.

Skin Contact Causes skin irritation.

Eye Contact Causes serious eye irritation.

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.

Acute toxicity: Narcotic effects.

Trichloroethylene cas#:(79-01-6) [90-100%]

Information on toxicological effects

Acute toxicity:
Oral LD50 LD50 Oral - rat - 4,920 mg/kg
Inhalation LC50 LC50 Inhalation - mouse - 4 h - 8450 ppm
Dermal LD50 LD50 Dermal - rabbit - > 20,000 mg/kg
Other information on acute toxicity no data available

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

Serious eye damage/eye irritation: Eyes - rabbit - Eye irritation - 24 h

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: Laboratory experiments have shown mutagenic effects. In vitro tests showed mutagenic effects

Carcinogenicity:
This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.
Possible human carcinogen
IARC: 2A - Group 2A: Probably carcinogenic to humans (Trichloroethylene)
NTP: Reasonably anticipated to be a human carcinogen (Trichloroethylene)
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):
May cause damage to organs.

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. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Exposure to and/or consumption of alcohol may increase toxic effects., Gastrointestinal disturbance, Kidney injury may occur., narcosis

Synergistic effects: no data available

Additional Information:

RTECS: KX4550000

Carbon dioxide cas#:(124-38-9) [1-2.5%]

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.

Trichloroethylene cas#:(79-01-6) [90-100%]

Information on ecological effects

Toxicity:
Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 41 mg/l - 96.0 h.
LOEC - other fish - 11 mg/l - 10.0 d
NOEC - Oryzias latipes - 40 mg/l - 10.0 d
Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 18.00 mg/l - 48 h.
and other aquatic invertebrates
Toxicity to algae IC50 - Pseudokirchneriella subcapitata (green algae) - 175.00 mg/l - 96 h.

Persistence and degradability: Bioaccumulative potential:

Does not bioaccumulate.

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 with long lasting effects.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Carbon dioxide cas#:(124-38-9) [1-2.5%]

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

13 DISPOSAL CONSIDERATIONS

Collect and reclaim or dispose in sealed containers at a 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. 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.

Dispose of in accordane 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).

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

14 TRANSPORT INFORMATION

DOT

- UN number: UN1950
- UN proper shipping name: Aerosols, non-flammable
- Transport hazard class(es)
  - Class: 2.2
  - Subsidiary risk: 6.1 (PGIII)
  - Label(s): 2.2,6.1
- 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.

IATA

- UN number: UN1950
- UN proper shipping name: Aerosols, non-flammable, containing substances in Division 6.1, PG III
- Transport hazard class(es)
  - Class: Forbidden
  - Subsidiary risk: Forbidden
- Packing group: Not applicable
- Environmental hazards: No
- Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	
Class	2.2
Subsidiary risk	6.1 (PGIII)
Label(s)	2.2+6.1
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	NOT LTD QTY

Transport in bulk according to AnnexII of MARPOL 73/78 and the IBC Code: Not available.

15 REGULATORY INFORMATION

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[%] RQ (CAS#) Substance - Reg Codes
-----------------------------------------------------------------
[90-100%] RQ(100LBS), Trichloroethylene (79-01-6) CERCLA, CSWHS, EPCRAWPC, GADSL, HAP,
HWRCRA, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, REACH, SARA313, TOXICPOL, TOXICRCRA, TSCA,
TXAIR, TXHWL

[1-2.5%] Carbon dioxide (124-38-9) MASS, OSHAWAC, PA, TSCA, TXAIR
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WARNING This product can expose you to chemicals including Trichloroethylene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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Regulatory Code Legend
-----------------------------------------------------------------
RQ = Reportable Quantity
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EPCRAWPC = EPCRA Water Priority Chemicals
GADSL = Global Automotive Declarable Substance List (GADSL)
HAP = Hazardous Air Pollutants
HWRCRA = RCRA Hazardous Wastes
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
PROP65 = CA Prop 65
REACH = REACH List of Substances of Very High Concern (RSL)
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean Water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List
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16 OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is desinged only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

N/A = Not available N/D = Not determined

Revision Date: 6/6/2023