

Blast (Rev 1-30-24)

SDS Number: A30J

Revision Date: 1/30/2024

Page 1 of 8

1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

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Product Identifier: Blast (Rev 1-30-24)
SDS Number: A30J
Product Code: A30
Revision Date: 1/30/2024
Product Use: Electronics Duster

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, Liquefied Gas
Health, Acute toxicity, 5 Dermal
Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Acute toxicity, 5 Oral
Health, Acute toxicity, 5 Inhalation

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
H313 - May be harmful in contact with skin
H320 - Causes eye irritation
H303 - May be harmful if swallowed
H333 - May be harmful if inhaled

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P235+410 - Keep cool. Protect from sunlight.
P251 - Pressurized container: Do not pierce or burn, even after use.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352 - IF ON SKIN: Wash with soap and water.
P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P412 - Do not expose to temperatures exceeding 50 °C/ 122 °F.

Blast (Rev 1-30-24)

SDS Number: A30J

Revision Date: 1/30/2024

Page 2 of 8

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

Target Organs:	NA
Inhalation:	Inhalation of vapor may produce anesthetic effects and feeling of euphoria. Prolonged overexposure can cause rapid breathing, headache, dizziness, narcosis, unconsciousness, and death from asphyxiation, depending on concentration and time of exposure
Skin Contact:	Contact with evaporating liquid can cause frostbite.
Eye Contact:	Liquid can cause severe irritation, redness, tearing, blurred vision, and possible freeze burns.
Ingestion:	Aspiration hazard.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
29118-24-9	100%	trans-1,3,3,3-Tetrafluoroprop-1-ene

4 FIRST AID MEASURES

Inhalation:	Remove to fresh air. Artificial respiration and/or oxygen may be necessary. Consult a physician.
Skin Contact:	For liquid contact, warm areas gradually and get medical attention if there is evidence of frost bite or tissue damage. Flush area with lukewarm water. Do not rub affected area. If blistering occurs, apply a sterile dressing. Seek medical attention.
Eye Contact:	For liquid contact, irrigate with running water for minimum of 15 minutes. Seek medical attention.
Ingestion:	This material is a gas under normal atmospheric conditions and ingestion is unlikely.

Most important symptoms/effects, acute and delayed

Acute: Anesthetic effects at high concentrations.

Delayed: None known or anticipated. See Section 11 for information on effects from chronic exposure, if any.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician: Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to high concentrations (e.g., in enclosed spaces or with deliberate abuse). The use of other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

5 FIRE FIGHTING MEASURES

Flammability:	Non-Flammable
Flash Point:	None
Flash Point Method:	ASTM E681
Autoignition Temp:	368 C
LEL:	None < 28 C
UEL:	None < 28 C

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water Mist, Dry Powder, Foam, Carbon Dioxide.

Specific hazards arising from the chemical:

Unusual Fire and Explosion Hazards: If container is not properly cooled, it can rupture in the heat of a fire. Drains can be plugged and valves made inoperable by the formation of ice if rapid evaporation of large quantities of the liquefied gas occurs.

Hazardous Combustion Products: Hazardous decomposition products may include: Hydrogen Fluoride, Carbonyl fluoride. Carbon Oxides.

Blast (Rev 1-30-24)

SDS Number: A30J

Revision Date: 1/30/2024

Page 3 of 8

Special protective actions for fire-fighters

Self-contained breathing apparatus (SCBA) is required if containers rupture and contents are released under fire conditions. Cool containers/ tanks with water spray. Product is not combustible under normal conditions. However, this material can ignite when mixed with air under pressure and exposed to strong ignition sources. Do not allow run-off from fire fighting to enter drains or water courses. Vapors are heavier than air and can cause suffocation by reducing oxygen available for breathing. Some risk may be expected of corrosive and toxic decomposition products. Fire may cause evolution of: Hydrogen fluoride

6

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Keep upwind of leak -evacuate until gas has dispersed.

Environmental precautions

Stop spill/release if it can be done safely. Water spray may be useful in minimizing or dispersing vapors. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.

Methods and materials for containment and cleaning up

Ventilate area using forced ventilation, especially low or enclosed places where heavy vapors might collect. Notify relevant authorities in accordance with all applicable regulations.

Recommended measures are based on the most likely spillage scenarios for this material; however local conditions and regulations may influence or limit the choice of appropriate actions to be taken.

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with cleanup. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

7

HANDLING AND STORAGE

Handling Precautions:

Comply with state and local regulations. Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wash hands thoroughly after handling. Wash clothing after use. Decomposition will occur when product comes in contact with open flame or electrical heating elements. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

Contents are under pressure. Gases can accumulate in confined spaces and limit oxygen available for breathing. Use only with adequate ventilation. Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146.

Storage Requirements:

Keep container(s) tightly closed and properly labeled. Use and store this material in cool, dry, well ventilated areas away from heat, direct sunlight. Store only in approved containers. Protect container(s) against physical damage. "Empty" containers retain residue and may be dangerous.

8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Personal Protective Equipment:

Use only with adequate ventilation. Keep container tightly closed.
 Eye/Face Protection: The use of eye protection (such as splash goggles) that meets or exceeds ANSI Z.87.1 is recommended when there is potential liquid contact to the eye. Depending on conditions of use, a face shield may be necessary.
 Skin Protection: Impervious, insulated gloves recommended.
 Respiratory Protection: Wear NIOSH approved respiratory protection as appropriate.

Suggestions provided in this section for exposure control and specific types of protective equipment are

Blast (Rev 1-30-24)

SDS Number: A30J

Revision Date: 1/30/2024

Page 4 of 8

based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals.

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
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Appearance:	Clear, colorless liquified gas	Odor:	Slight ethereal odor
Physical State:	liquified gas	Solubility:	0.0373% in water @ 70 F
Spec Grav./Density:	1.19	Percent Volatile:	100% by Volume
Boiling Point:	-19 C	Flash Point:	None per ASTM E681
Vapor Pressure:	61 PSIG @ 70 F	Vapor Density:	(Air=1): 3.9
pH:	Not Applicable	Auto-Ignition Temp:	368 C
Evap. Rate:	>1 (Ethyl Ether= 1.0)		

10	STABILITY AND REACTIVITY
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Chemical Stability:	Stable at normal temperatures and conditions
Conditions to Avoid:	When pressurized with air or oxygen, the mixture may become flammable. Certain mixtures of HCFCs or HFCs with chlorine may become flammable or reactive under certain conditions. To avoid thermal decomposition, do not overheat.
Materials to Avoid:	Alkali or Alkaline Earth Metals. Powdered Metal. Powdered Metal Salts.
Hazardous Decomposition:	Carbon oxides, Hydrogen fluoride, Carbonyl fluoride, Fluorocarbons.
Hazardous Polymerization:	Will not occur.

11	TOXICOLOGICAL INFORMATION
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Effects of Over Exposure
 Ingestion: Aspiration hazard!

Inhalation: Inhalation of vapor may produce anesthetic effects and feeling of euphoria. Prolonged overexposure can cause rapid breathing, headache, dizziness, narcosis, unconsciousness, and death from asphyxiation, depending on concentration and time of exposure.

Skin Contact: Contact with evaporating liquid can cause frostbite.

Eye Contact: Liquid can cause severe irritation, redness, tearing, blurred vision, and possible freeze burns.

Specific Target Organ Toxicity (Single Exposure): Not expected to cause organ effects from single exposure.

Specific Target Organ Toxicity (Repeated Exposure): Not expected to cause organ effects from repeated exposure.

Carcinogenicity: Not expected to cause cancer. This substance is not listed as a carcinogen by IARC, NTP or OSHA.

Blast (Rev 1-30-24)

SDS Number: A30J

Revision Date: 1/30/2024

Page 5 of 8

Germ Cell Mutagenicity: Not expected to cause heritable genetic effects.

Reproductive Toxicity: Not expected to cause reproductive toxicity.

Other Comments: High concentrations may reduce the amount of oxygen available for breathing, especially in confined spaces. Hypoxia (inadequate oxygen) during pregnancy may have adverse effects on the developing fetus.

Information on Toxicological Effects of Components

trans-1,3,3,3-Tetrafluoropro-1-ene

Acute inhalation toxicity: Species: mouse
Note: Acute (4-Hour) Inhalation Toxicity Screening Study (mouse): No lethality at >100,000 ppm.

LC50: > 207000 ppm
Exposure time: 4 h
Species: rat

Skin irritation: Species: rabbit
Result: No skin irritation
Method: OECD Test Guideline 404

Sensitisation: Cardiac sensitization
Species: dogs
Result: Did not cause sensitisation on laboratory animals.

Repeated dose toxicity: Species: rat
Application Route: Inhalation
Exposure time: 13 Weeks
Note: Causes mild effects on the heart. NOEL 5,000 ppm

Genotoxicity in vitro: Test Method: Chromosome aberration test in vitro
Cell type: Human lymphocytes
Result: negative
Test Method: Ames test
Result: negative

Genotoxicity in vivo: Test Method: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis)
Species: mouse
Cell type: Micronucleus
Application Route: Inhalation
Result: negative

Teratogenicity: Species: rabbit
Method: Prenatal Developmental Inhalation Toxicity Study
Note: Did not show teratogenic effects in animal experiments.

Blast (Rev 1-30-24)

SDS Number: A30J

Revision Date: 1/30/2024

Page 6 of 8

Species: rat
Method: Prenatal Developmental Inhalation Toxicity Study
Note: Did not show teratogenic effects in animal experiments

Further information: Note: Excessive exposure may cause central nervous system effects including drowsiness and dizziness. Excessive exposure may also cause cardiac arrhythmia. Rapid evaporation of the liquid may cause frostbite.

12

ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity effects

Toxicity to fish: NOEC: > 117 mg/l

Exposure time: 96 h

Species: Cyprinus carpio (Carp)

Toxicity to daphnia and other aquatic invertebrates:

ECS0: > 160 mg/l

Exposure time: 48 h

Species: Daphnia magna (Water flea)

Toxicity to algae:

Growth inhibition

NOEC: > 170 mg/l

Exposure time: 72 h

Species: Algae

Persistence and degradability

Aerobic Result: Not readily biodegradable. Further information on ecology

Additional ecological Information: no data available

Bioaccumulative potential

Not expected as having the potential to bioaccumulate.

Mobility in soil

Due to the extreme volatility of liquefied gases, air is the only environmental compartment in which they will be found.

Other adverse effects

Blast (Rev 1-30-24)

SDS Number: A30J

Revision Date: 1/30/2024

Page 7 of 8

None anticipated

trans-1,3,3,3-Tetrafluoropro-1-ene: GWP 6

13

DISPOSAL CONSIDERATIONS

Contents under pressure. Do not puncture, incinerate or crush. This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

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.

14

TRANSPORT INFORMATION**UN Number**

UN3163

UN Proper Shipping Name

Liquefied Gas, N.O.S., 2.2

(trans-1,3,3,3-Tetrafluorop rop-1-ene)

Transport hazard class(es)

2.2

Special Provisions: DOT-SP 11516: In accordance with this special permit, this product is not subject to labeling requirements unless offered for transportation by air. This product is not subject to placarding requirements. Outside packaging must be marked with proper shipping description and 'DOT-SP 11516'

15

REGULATORY INFORMATION**Safety, health and environmental regulations specific for the product in question****Regulatory Information****Chemical Inventories**

USA TSCA: All components of this product are listed on the TSCA Inventory.

SARA Title III:

CERCLA/SARA (Section 302) Extremely Hazardous Substances and TPQs (in pounds):

This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.

SARA (311, 312) Hazard Class:

Acute Health: Yes
Chronic Health: No
Fire Hazard: No
Pressure Hazard: Yes

SARA (313) Chemicals: Not listed

California Proposition 65: This material does not contain any chemicals which are known to the State of

Blast (Rev 1-30-24)

SDS Number: A30J

Revision Date: 1/30/2024

Page 8 of 8

California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

Other Information: trans-1,3,3,3-Tetrafluoroprop-1-ene is excluded from the regulatory definition of volatile organic compounds or VOC.

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

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: 1/30/2024