



Safety Data Sheet

Titan

SECTION 1: Identification

GHS Product identifier

Product name	Titan
Product number	CRETECIND40
Brand	Cretec
UFI	TE30-K09D-400J-H8NK

Supplier's details

Name	TekShine Industrial
Address	1220 Sage Dr Cedar City, UT, 84720 USA
Telephone	435-531-7312 451
email	nathaniel@tekshine.com

Emergency phone number

Poison Control Center
1-800-222-1222

SECTION 2: Hazard identification

General hazard statement

KEEP OUT OF REACH OF CHILDREN. USE ONLY AS DIRECTED. FAILURE TO FOLLOW INSTRUCTIONS COULD RESULT IN INJURY.

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

- Carcinogenicity, Cat. 1B
- Skin corrosion/irritation, Cat. 2
- Sensitization, skin, Cat. 1

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- Specific target organ toxicity (single exposure), Cat. 3
- Flammable liquids, Cat. 2

GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statement(s)

H225	Highly flammable liquid and vapor
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H350	May cause cancer [route]

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use ... to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE (CAS no.: 98-56-6) CLASSIFICATIONS: No data available. HAZARDS: No data available.	60 - 70 % (weight)
METHYL METHACRYLATE (CAS no.: 80-62-6; Index no.: 607-035-00-6) CLASSIFICATIONS: Flammable liquids, Cat. 2; Specific target organ toxicity (single exposure), Cat. 3; Skin corrosion/irritation, Cat. 2; Sensitization, skin, Cat. 1. HAZARDS: H225 - Highly flammable liquid and vapor; H315 - Causes skin irritation; H317 - May cause an allergic skin reaction; H335 - May cause respiratory irritation.	35 - 45 % (weight)
Carborundum (CAS no.: 409-21-2; Index no.: 014-048-00-5) CLASSIFICATIONS: Carcinogenicity, Cat. 1B. HAZARDS: H350i - .	1 - 5 % (weight)

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	If unconscious, place in recovery position and seek medical advice.
In case of skin contact	If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
If swallowed	Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Causes eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

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

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

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

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Special protective actions for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

*ACUTE/CHRONIC HAZARDS:

This compound is a lachrymator [269]. Vapors may travel to some distant source of ignition and flashback [058,371,451]. When heated to decomposition it emits acrid smoke, irritating fumes and toxic fumes of carbon monoxide and carbon dioxide [043,058,102,269].

*MINIMUM PROTECTIVE CLOTHING:

If Tyvek-type disposable protective clothing is not worn during handling of this chemical, wear disposable Tyvek-type sleeves taped to your gloves.

*RECOMMENDED GLOVE MATERIALS:

Permeation Test Results For The Neat (Undiluted) Chemical:

The permeation test results for the neat (undiluted) chemical are given below. The breakthrough times of this chemical are given for each glove type tested. The table is a presentation of actual test results, not specific recommendations or suggestions. Avoid glove types which exhibit breakthrough times of less than the anticipated task time plus an adequate safety factor. If this chemical makes direct contact with your glove, or if a tear, puncture or hole develops, replace them at once.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. 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.

Never return spills in original containers for re-use. Local authorities should be advised if significant spillages cannot be contained.

SECTION 7: Handling and storage

Precautions for safe handling

Use with adequate ventilation. Avoid inhalation and contact with skin and eyes. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Do not freeze. Store in a cool, dry, well-ventilated place. Keep away from heat, sparks and open flame. Keep containers tightly closed. Store away from incompatible materials.

SECTION 8: Exposure controls/personal protection

Control parameters

1. Methyl methacrylate (CAS: 80-62-6)

TWA (Inhalation): 50 ppm; 208 mg/m³; AU (AU/SWA)

Other advisory: Sen

STEL (Inhalation): 100 ppm; 416 mg/m³; AU (AU/SWA)

Other advisory: Sen

IOELV-LTEL (Inhalation): 50 ppm; EU (EU/OSHA)

List no. 3 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-STEL (Inhalation): 100 ppm; EU (EU/OSHA)

List no. 3 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

PEL (Inhalation): 100 ppm; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 410 mg/m³; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 50 ppm, (ST) 100 ppm; US (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 100 ppm; US (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

2. Silica, crystalline (CAS: 14808-60-7)

TWA [Quartz (respirable dust)] (Inhalation): 0.05 mg/m³; AU (AU/SWA)

Advisory carc cat: Carc. 1A; Other advisory: - ; Notes: See Silica - Crystalline

PEL [Quartz: see 1910.1053(m)] (Inhalation): 0.05 mg/m³, (See Sections 1532.3 & 5204); US (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL [Quartz: see 1910.1053(m)] (Inhalation): Ca, 0.05 mg/m³, See Appendix A; US (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

3. Carborundum (CAS: 409-21-2)

TWA [Silicon carbide] (Inhalation): 10 mg/m³; AU (AU/SWA)

Notes: (a)

PEL [Silicon carbide -Total dust] (Inhalation): 15 mg/m³; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL [Silicon carbide -Total dust] (Inhalation): 10 mg/m³; US (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL [Silicon carbide -Total dust] (Inhalation): 10 mg/m³; US (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

PEL [Silicon carbide -Respirable fraction] (Inhalation): 5 mg/m³; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL [Silicon carbide -Respirable fraction] (Inhalation): 5 mg/m³; US (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL [Silicon carbide -Respirable fraction] (Inhalation): 5 mg/m³; US (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

Appropriate engineering controls

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No Special Equipment

Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Wear safety glasses with side shields (or goggles). Eye wash fountain is recommended

Skin protection

Wear appropriate chemical resistant gloves.

Respiratory protection

Wear appropriate respirator to avoid breathing in vapors.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Clear Liquid
Odor	Chemical
Odor threshold	No Data Available
pH	No Data Available
Melting point/freezing point	No Data Available
Initial boiling point and boiling range	No Data Available
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability (solid, gas)	No Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapor pressure	No Data Available
Vapor density	No Data Available
Relative density	No Data Available
Solubility(ies)	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available

Additional properties

Physical state	Liquid
Color	Translucent

SECTION 10: Stability and reactivity

Reactivity

None Known, based on information available.

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

None under normal processing

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Conditions to avoid

Keep away from open flames, hot surfaces, and sources of ignition.

Incompatible materials

Silica, crystalline : Hydrogen fluoride

Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO₂), Gaseous hydrogen fluoride (HF), Hydrogen chloride gas

SECTION 11: Toxicological information

Information on toxicological effects

SECTION 12: Ecological information

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of in accordance with all applicable local, state and federal regulations.

Packaging disposal

Dispose of in accordance with all applicable local, state and federal regulations.

Waste treatment

Dispose of in accordance with all applicable local, state and federal regulations.

Sewage disposal

Dispose of in accordance with all applicable local, state and federal regulations.

Other disposal recommendations

Dispose of in accordance with all applicable local, state and federal regulations.

SECTION 14: Transport information

DOT (US)

UN Number: UN2307

Class: 6.1

Packing Group: II

Proper Shipping Name: 3-Nitro-4-chlorobenzotrifluoride

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

IMDG

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UN Number: UN2307
Class: 6.1
Packing Group: II
EMS Number:
Proper Shipping Name: 3-Nitro-4-chlorobenzotrifluoride

IATA

UN Number: UN2307
Class: 6.1
Packing Group: II
Proper Shipping Name: 3-Nitro-4-chlorobenzotrifluoride

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Canadian Domestic Substances List (DSL)

Chemical name: Benzene, 1-chloro-4-(trifluoromethyl)-
CAS number: 98-56-6

California Proposition 65 Chemicals List

WARNING: This product can expose you to chemicals including p-chloro- α,α,α -trifluorotoluene (para-Chlorobenzotrifluoride, PCBTF), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov for: 4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE.

US EPA TSCA public inventory

Chemical name: 4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE
CAS number: 98-56-6

California Prop. 65 components

Chemical name: 4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE
CAS number: 98-56-6

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Methyl methacrylate
CAS number: 80-62-6

New Jersey Right To Know Components

Common name: METHYL METHACRYLATE
CAS number: 80-62-6

Pennsylvania Right To Know Components

Chemical name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER
CAS number: 80-62-6

Canadian Domestic Substances List (DSL)

Chemical name: 2-Propenoic acid, 2-methyl-, methyl ester
CAS number: 80-62-6

EU Table of Harmonised Entries (Annex VI to CLP)

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Chemical name: METHYL METHACRYLATE
CAS number: 80-62-6

US EPA TSCA public inventory

Chemical name: METHYL METHACRYLATE
CAS number: 80-62-6

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: METHYL METHACRYLATE
CAS number: 80-62-6

New Jersey Right To Know Components

Common name: SILICA, QUARTZ
CAS number: 14808-60-7

Pennsylvania Right To Know Components

Chemical name: QUARTZ (SiO₂)
CAS number: 14808-60-7

Canadian Domestic Substances List (DSL)

Chemical name: Quartz (SiO₂)
CAS number: 14808-60-7

US EPA TSCA public inventory

Chemical name: Silica, crystalline
CAS number: 14808-60-7

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: QUARTZ
CAS number: 14808-60-7

New Jersey Right To Know Components

Common name: SILICON CARBIDE
CAS number: 409-21-2

Pennsylvania Right To Know Components

Chemical name: SILICON CARBIDE (SiC)
CAS number: 409-21-2

Canadian Domestic Substances List (DSL)

Chemical name: Silicon carbide (SiC)
CAS number: 409-21-2

EU Cosmetics Prohibited Substances List, (EC) 2009/1223 Annex II

Chemical name/INN: Carborundum
CAS number: 409-21-2

EU Table of Harmonised Entries (Annex VI to CLP)

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Chemical name: Carborundum
CAS number: 409-21-2

US EPA TSCA public inventory

Chemical name: Carborundum
CAS number: 409-21-2

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: SILICON CARBIDE
CAS number: 409-21-2

HMIS Rating

Cretech Industrial	
HEALTH	1
FLAMMABILITY	4
PHYSICAL HAZARD	0
PERSONAL PROTECTION	I

NFPA Rating



SECTION 16: Other information

Further information/disclaimer

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 designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to 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.