



# VCI-F Oil

## Safety Data Sheet

Issue date: 6/6/2019 Revision date: 6/6/2019 Supersedes: 5/16/2018 Version: 1.1

### 1. Identification

Product identifier used on the label:	VCI-F Oil
Stock Number:	5160277
Other means of identification:	
Synonyms:	None
Chemical family:	Mixture
Recommended use of the chemical and restrictions on use:	
Recommended use:	Corrosion Preventive Compound
Restrictions on use:	Uses other than those described above
Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:	Tec-Guard, 2929 5th Avenue Rock Island, IL 61201
Telephone number:	1-309-788-5631
E-mail address:	<a href="mailto:info@tec-guard.com">info@tec-guard.com</a>
Emergency phone number:	Chemtrec: (800) 424-9300

### 2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Classification: Hazardous to the aquatic environment - Acute Category 2

Hazard Statements: Toxic to aquatic life

Unclassified Hazards (HNOC): Molten material can cause thermal burns. When heated, the vapors/fumes given off may cause respiratory tract irritation.

Precautionary Statements:

Prevention: Avoid release to the environment.

Disposal: Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

Hazards not otherwise classified: No data available

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### 3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
N-(Tallowalkyl)-1,3-propanediamines	None	61791-55-7	0.5 - 1.5

Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation:	If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
Eye Contact:	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. If burned by contact with hot material, molten material adhering to skin should be cooled as quickly as possible with water and see a physician for removal of adhering material and treatment of burn.
Ingestion:	Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

Most important symptoms/effects, acute and delayed:

See Section 11

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

Consult a physician. Treat symptomatically.

### 5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:	Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire.
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Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
Hazardous combustion products:	Oxides of carbon, Formaldehyde, Smoke
Special protective equipment and precautions for fire-fighters:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use appropriate methods for the surrounding fire.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	No health effects expected from the clean-up of this material, if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this SDS
Methods and materials for containment and cleaning up:	Collect and discard in accordance with local, state and national regulations.

### 7. Handling and storage

Precautions for safe handling:	Avoid contacting and avoid breathing the material. Use only in a well ventilated area. When heated, the vapor/fumes given off may cause respiratory tract irritation. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
Conditions for safe storage, including any incompatibilities:	
Safe storage conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not store in direct sunlight
Materials to Avoid/Chemical Incompatibility:	Strong alkalis, Strong oxidizing agents, Strong acids

### 8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH
No data available				

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Appropriate engineering controls:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Individual protection measures, such as personal protective equipment:

Respiratory Protection:

Proper ventilation (at a minimum) will be required when handling this product. Use respirators (NIOSH approved) only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels.

Respirator Type(s):

NIOSH approved air purifying respirator with organic vapor cartridge.

Eye protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. When handling material that has been heated, wear chemically resistant thermally insulating gloves, chemical resistant apron, long sleeves and other clothing as necessary to protect against thermal burns.

Gloves:

Heat insulating chemically resistant gloves

Other protective equipment:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

When handling material that has been heated, wear chemically resistant thermally insulating gloves, chemical resistant apron, long sleeves and other clothing as necessary to protect against thermal burns.

General hygiene conditions:

When heated, the vapor/fumes given off may cause respiratory tract irritation. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

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### 9. Physical and chemical properties

Appearance (physical state, color etc.):	
Physical state:	Paste
Color:	Blue
Odor:	Mild
Odor Threshold:	No data available
pH:	No data available
Melting point/freezing point (°C):	
Melting Point (°C):	No data available
Freezing point (°C):	No data available
Initial boiling point and boiling range (°C):	No data available
°F ( 121 °C)	Flash Point: > 250
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper flammability or explosive limits:	No data available
Lower flammability or explosive limits:	No data available
pressure:	No data available
Vapor density:	No data available
Relative density:	0.901
Solubility(ies):	Insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature (°C):	No data available
Decomposition Temperature (°C):	No data available
Viscosity:	168 cP
Volatiles, % by weight:	9.77
VOC, Material, lb/gal	0.73
VOC, Material, grams/liter	87.8
VOC minus exempt solvents & water, g/l	87.8

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### 10. Stability and reactivity

Reactivity:	Not expected to be reactive
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid (e.g., static discharge, shock, or vibration):	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
Incompatible materials:	Strong alkalis, Strong oxidizing agents, Strong acids
Hazardous decomposition products:	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

Description of the various toxicological (health) effects and the available data used to identify those effects:

### 11. Toxicological information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Eye contact, Skin contact, Inhalation No data
Symptoms related to the physical, chemical and toxicological characteristics:	available

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion Toxicity:	Harmful if swallowed. Estimated to be 2.0 - 5.0 g/kg; slightly toxic
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Inhalation Toxicity:	No data available
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Sensitization:	None known
Mutagenicity:	No data
Reproductive and Developmental Toxicity:	No data available
Carcinogenicity:	There are no carcinogenic ingredients present at or over 0.1%.
STOT-single exposure:	Based on available data, the classification criteria are not met.

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STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Numerical measures of toxicity (such as acute toxicity estimates):

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
No data available			

Is the hazardous chemical listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has it been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA?:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.			

## 12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): No data available

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available				

Persistence and degradability: No data

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects (such as hazardous to the ozone layer): No data available

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### 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:

Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

Dispose of in accordance with Local and National regulations.

Waste codes / waste designations:

Not applicable

### 14. Transport information

Domestic Ground in containers <= 119 GL Corrosion preventive/Non-Hazardous

Domestic Ground in containers > 119 GL Corrosion preventive/Non-Hazardous

Shipping name for Export, Air (IATA) Corrosion preventive/Non-Hazardous Shipping

name for Export, Sea (IMDG) Corrosion preventive/Non-Hazardous Marine

Pollutant? No

### 15. Regulatory information

Status of formula components on selected national regulatory inventories:

LIST	STATUS
TSCA	All components in this product are on the TSCA Inventory or exempt.
Canadian DSL	One or more chemical substances in this material are on the Canadian NDSL and the remainder are included on the Canadian DSL or are exempt.



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Chemical Name	CAS #	Regulation	Percent
Contains no components from California Prop. 65 - Cancer list		Prop. 65 - Cancer	
Contains no components from California Prop. 65 - Developmental/Reproductive list		Prop. 65 - Developmental and/or Reproductive	
No CERCLA-listed chemicals in this product.		CERCLA	
No 313-listed chemicals in this product.		SARA 313	
No SARA 302 EHS-listed chemicals in this product.		SARA EHS	

### 16. Other information, including date of preparation or last revision.

Revision Date: 06-06-2019

Disclaimer: Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.