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# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

# 1. Identification

Product identifier: STAINLESS STEEL POLISH & CLEANER

Other means of identification

**SDS number:** RE1000012336

Recommended restrictions
Recommended use: Cleaner
Restrictions on use: Not known.

**Manufacturer Information** 

Manufacturer

Company Name: CLAIRE MANUFACTURING COMPANY

Address: 1000 Integram Dr

Pacific, MO 63069

US

Telephone: 1-630-543-7600

Emergency telephone number: 1-866-836-8855

# 2. Hazard(s) identification

## **Hazard Classification**

# **Physical Hazards**

Flammable aerosol Category 1

**Health Hazards** 

Serious Eye Damage/Eye Irritation Category 2A
Skin sensitizer Category 1
Aspiration Hazard Category 1

#### **Label Elements**

## **Hazard Symbol:**



Signal Word: Danger

**Hazard Statement:** Extremely flammable aerosol.

Causes serious eye irritation.

May cause an allergic skin reaction.

May be fatal if swallowed and enters airways.



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# Precautionary Statements

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated

work clothing should not be allowed out of the workplace.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor Do NOT induce vomiting. Specific treatment (see on this label). Wash contaminated

clothing before reuse.

**Storage:** Protect from sunlight. Do not expose to temperatures exceeding

50°C/122°F. Store locked up.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal

facility in accordance with applicable laws and regulations, and product

characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC):

None.

# 3. Composition/information on ingredients

#### **Mixtures**

Chemical Identity	CAS number	Content in percent (%)*
Distillates (petroleum), hydrotreated light	64742-47-8	20 - <50%
White mineral oil (petroleum)	8042-47-5	20 - <50%
2-Propanone	67-64-1	10 - <20%
Propane	74-98-6	10 - <20%
2,6-Octadienal, 3,7-dimethyl-	5392-40-5	0.1 - <1%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### **Composition Comments:**

The components are not hazardous or are below required disclosure limits.

The exact concentration has been withheld as a trade secret.

### 4. First-aid measures

## Description of necessary first-aid measures

**Inhalation:** Move to fresh air.

**Skin Contact:** Get medical attention if symptoms occur. Destroy or thoroughly clean

contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or

an allergic skin reaction develops, get medical attention.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy

to do, remove contact lenses. Get medical attention.



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**Ingestion:** Call a physician or poison control center immediately. Rinse mouth.

Never give liquid to an unconscious person. If vomiting occurs, keep

head low so that stomach content doesn't get into the lungs.

Personal Protection for First-

aid Responders:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in

enclosed spaces, SCBA.

Most important symptoms/effects, acute and delayed

**Symptoms:** No data available.

**Hazards:** No data available.

Indication of immediate medical attention and special treatment needed

**Treatment:** Symptoms may be delayed.

# 5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Fight fire from a

protected location. Move containers from fire area if you can do so without

risk.

## Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing

media:

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical:

Vapors may travel considerable distance to a source of ignition and flash

back.

# Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

No data available.

Special protective equipment

for fire-fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in

enclosed spaces, SCBA.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Accidental release measures: Prevent entry into waterways, sewer, basements or confined areas. Stop

the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you

can do so without risk.



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Methods and material for containment and cleaning up:

Absorb spill with vermiculite or other inert material, then place in a container

for chemical waste.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or

spillage if safe to do so.

# 7. Handling and storage

## Handling

Technical measures (e.g. Local and general ventilation):

No data available.

Safe handling advice: Avoid contact with eyes. Wash hands thoroughly after handling. Keep away

from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with eyes, skin, and clothing.

**Contact avoidance measures:** No data available.

**Storage** 

Safe storage conditions: Store locked up. Pressurized container: protect from sunlight and do not

expose to temperatures exceeding 50°C. Do not pierce or burn, even after

use. Aerosol Level 3

Safe packaging materials: No data available.

Storage Temperature: No data available.

# 8. Exposure controls/personal protection

### **Control Parameters**

**Occupational Exposure Limits** 

Chemical Identity	Туре	Exposure L	imit Values	Source
Distillates (petroleum), hydrotreated light	REL	100 mg/m3		US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Distillates (petroleum), hydrotreated light - Non- aerosol as total hydrocarbon vapor	TWA		200 mg/m3	US. ACGIH Threshold Limit Values, as amended
	TWA		200 mg/m3	US. ACGIH Threshold Limit Values, as amended
White mineral oil (petroleum) - Mist.	REL		5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	STEL		10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL		5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA		5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
White mineral oil (petroleum) - Inhalable fraction.	TWA		5 mg/m3	US. ACGIH Threshold Limit Values, as amended
2-Propanone	STEL	1,000 ppm	2,400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	1,000 ppm	2,400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	250 ppm		US. ACGIH Threshold Limit Values, as amended
	TWA	750 ppm	1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	STEL	500 ppm		US. ACGIH Threshold Limit Values, as amended
	REL	250 ppm	590 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended



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Propane	REL	1,000 ppm	1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
2,6-Octadienal, 3,7-dimethyl- - Inhalable fraction and vapor.	TWA	5 ppm		US. ACGIH Threshold Limit Values, as amended
Naphtha (petroleum), heavy alkylate	PEL	100 ppm	400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	100 ppm	400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL	100 ppm	400 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-	TWA	20 ppm		US. ACGIH Threshold Limit Values, as amended

**Biological Limit Values** 

Chemical Identity	Exposure Limit Values	Source
2-Propanone (acetone: Sampling time: End of shift.)	25 mg/l (Urine)	ACGIH BEL

**Exposure guidelines** 

Distillates (petroleum),	US. ACGIH Threshold Limit Values, as	Can be absorbed through
hydrotreated light	amended	the skin.
	US. ACGIH Threshold Limit Values, as	Can be absorbed through
	amended	the skin.
2,6-Octadienal, 3,7-	US. ACGIH Threshold Limit Values, as	Can be absorbed through
dimethyl-	amended	the skin.

Appropriate Engineering

No data available.

Controls

Individual protection measures, such as personal protective equipment

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin Protection** 

**Hand Protection:** No data available.

**Skin and Body Protection:** Wear suitable protective clothing. Wear chemical-resistant gloves,

footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific

information.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from

local supervisor.

**Hygiene measures:** Observe good industrial hygiene practices. Avoid contact with eyes. When

using do not smoke. Contaminated work clothing should not be allowed out

of the workplace. Avoid contact with skin.

# 9. Physical and chemical properties

**Appearance** 

Physical state: liquid

Form: Spray Aerosol
Color: No data available.
Odor: No data available.
Odor Threshold: No data available.



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pH: No data available. Freezing point: No data available. **Boiling Point:** No data available. **Flash Point:** -104.4 °C (Open Cup) **Evaporation Rate:** No data available. Flammability (solid, gas): No data available. **Explosive limit - upper (%):** Estimated 9.5 %(V) **Explosive limit - lower (%):** Estimated 2.2 %(V) Vapor pressure: No data available. Vapor density (air=1): No data available. Density: No data available. Relative density: No data available. **Solubility in Water:** No data available. Solubility (other): No data available. Partition coefficient (n-octanol/water): No data available. **Self Ignition Temperature:** No data available. **Decomposition Temperature:** No data available. Kinematic viscosity: No data available. Dynamic viscosity: No data available. **Explosive properties:** No data available. Oxidizing properties: No data available.

# 10. Stability and reactivity

**Reactivity:** No data available.

**Chemical Stability:** Material is stable under normal conditions.

Possibility of hazardous

reactions:

No data available.

**Conditions to avoid:** Avoid heat or contamination.

**Incompatible Materials:** No data available.

**Hazardous Decomposition** 

**Products:** 

No data available.

# 11. Toxicological information

## Information on likely routes of exposure

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

## Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation:** No data available.



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**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

## Information on toxicological effects

## Acute toxicity (list all possible routes of exposure)

Oral

**Product:** Not classified for acute toxicity based on available data.

Dermal

**Product:** Not classified for acute toxicity based on available data.

Inhalation

**Product:** Not classified for acute toxicity based on available data.

Repeated dose toxicity

**Product:** No data available.

Components:

Distillates (petroleum), NOAEL (Rat(Female, Male), Inhalation): >= 24 mg/m3 Inhalation

hydrotreated light Experimental result, Key study

NOAEL (Rat(Female), Oral, 70 - 147 d): 750 mg/kg Oral Experimental result,

Key study

White mineral oil NOAEL (Rat(Female, Male), Oral, 90 d): >= 20,000 ppm(m) Oral

(petroleum) Experimental result, Key study

2-Propanone NOAEL (Rat(Male), Oral, 13 Weeks): 10,000 ppm(m) Oral Experimental

result, Key study

Propane NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation

Experimental result, Key study

LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation

Experimental result, Key study

2,6-Octadienal, 3,7- LOAEL (Rat(Female), Oral, 14 Weeks): 335 mg/kg Oral Experimental result,

dimethyl- Key study

Skin Corrosion/Irritation

**Product:** No data available.

**Components:** 

Distillates (petroleum),

in vivo (Rabbit): Not irritant

hydrotreated light

White mineral oil

in vivo (Rabbit): Not irritant

(petroleum)

2-Propanone in vivo (Rabbit): Not irritant 2,6-Octadienal, 3,7- Assessment Irritating.

dimethyl-

## Serious Eye Damage/Eye Irritation

**Product:** No data available.

Components:

Distillates (petroleum),

hydrotreated light

Rabbit, 24 - 72 hrs: Not irritating

White mineral oil

(petroleum)

Rabbit, 24 - 72 hrs: Not irritating



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2-Propanone Irritating.

Rabbit, 24 hrs: Minimum grade of severe eye irritant

Respiratory or Skin Sensitization

**Product:** No data available.

Components:

Distillates (petroleum), Skin sensitization:, in vivo (Guinea pig): Non sensitising

hydrotreated light

White mineral oil Skin sensitization:, in vivo (Guinea pig): Non sensitising

(petroleum)

2-Propanone Skin sensitization:, in vivo (Guinea pig): Non sensitising

Carcinogenicity

**Product:** No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:** 

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogenic components identified

**Germ Cell Mutagenicity** 

In vitro

**Product:** No data available.

In vivo

**Product:** No data available.

Reproductive toxicity

**Product:** No data available.

Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

Components:

2-Propanone Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.

**Specific Target Organ Toxicity - Repeated Exposure** 

**Product:** No data available.

**Aspiration Hazard** 

**Product:** No data available.

Components:

Distillates (petroleum),

May be fatal if swallowed and enters airways.

hydrotreated light

White mineral oil

May be fatal if swallowed and enters airways.

(petroleum)

Other effects: No data available.



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# 12. Ecological information

# **Ecotoxicity:**

## Acute hazards to the aquatic environment:

**Product:** No data available.

**Components:** 

White mineral oil NOAEL (Oncorhynchus mykiss, 96 h): >= 100 mg/l Experimental result, Key

(petroleum) study

2-Propanone LC 50 (Oncorhynchus mykiss, 96 h): 5,540 mg/l Experimental result, Key

study

Propane LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study

2,6-Octadienal, 3,7-

dimethyl-

LC 50 (Leuciscus idus, 96 h): 6.78 mg/l Experimental result, Key study

**Aquatic Invertebrates** 

**Product:** No data available.

Components:

White mineral oil

(petroleum)

NOAEL (Daphnia magna, 48 h): >= 100 mg/l Experimental result, Key study

LC 50 (Daphnia pulex, 48 h): 8,800 mg/l Experimental result, Key study 2-Propanone

2,6-Octadienal, 3,7-

dimethyl-

EC 50 (Daphnia magna, 48 h): 6.8 mg/l Experimental result, Key study

## Chronic hazards to the aquatic environment:

**Fish** 

**Product:** No data available.

Components:

Distillates (petroleum), hydrotreated light

NOAEL (Oncorhynchus mykiss): 0.098 mg/l QSAR QSAR, Key study

White mineral oil (petroleum)

NOAEL (Oncorhynchus mykiss): >= 1,000 mg/l QSAR QSAR, Supporting

study

**Aquatic Invertebrates** 

**Product:** No data available.

Components:

White mineral oil (petroleum)

NOAEL (Daphnia magna): >= 1,000 mg/l QSAR QSAR, Supporting study

2-Propanone LOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study

NOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study

**Toxicity to Aquatic Plants** 

**Product:** No data available.



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## **Persistence and Degradability**

Biodegradation

**Product:** No data available.

Components:

Distillates (petroleum),

hydrotreated light

61 % Detected in water. Experimental result, Supporting study

White mineral oil (petroleum)

31 % (28 d) Detected in water. Read-across from supporting substance

(structural analogue or surrogate), Supporting study

2-Propanone 90.9 % (28 d) Detected in water. Experimental result, Key study

Propane 100 % (385.5 h) Detected in water. Experimental result, Key study

50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study

2,6-Octadienal, 3,7-

dimethyl-

85 - 95 % (28 d) Detected in water. Experimental result, Key study

**BOD/COD Ratio** 

**Product:** No data available.

Bioaccumulative potential

**Bioconcentration Factor (BCF)** 

**Product:** No data available.

Components:

2-Propanone Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment

Experimental result, Not specified

2,6-Octadienal, 3,7-

Bioconcentration Factor (BCF): 89.72 Aquatic sediment Estimated by

dimethyl-

calculation, Key study

Partition Coefficient n-octanol / water (log Kow)

**Product:** No data available.

**Mobility in soil:** No data available.

Components:

Distillates (petroleum), hydrotreated light
White mineral oil (petroleum)

2-Propanone
Propane
No data available.

Other adverse effects: No data available.

13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local

laws.

Contaminated Packaging: No data available.



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# 14. Transport information

DOT

**UN Number:** UN 1950

**UN Proper Shipping Name:** Aerosols, flammable

Transport Hazard Class(es)

Class: 2.1 Label(s): EmS No.:

Packing Group:

Special precautions for user: Not regulated.

IATA

**UN Number:** UN 1950

**UN Proper Shipping Name:** Aerosols, flammable

Transport Hazard Class(es):

Class: 2.1 Label(s): Packing Group:

Special precautions for user: Not regulated.

Other information

Passenger and cargo aircraft: Allowed, 203 Cargo aircraft only: Allowed, 203

**IMDG** 

**UN Number:** UN 1950

UN Proper Shipping Name: Aerosols, flammable

Transport Hazard Class(es)

Class: 2 Label(s): EmS No.:

Packing Group:

Special precautions for user: Not regulated.

# 15. Regulatory information

# **US Federal Regulations**

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

# CERCLA Hazardous Substance List (40 CFR 302.4):

#### **Chemical Identity**

Distillates (petroleum), hydrotreated light

**ACETONE** 

UNLISTED HAZARDOUS WASTES CHARACTERISTIC OF IGNITABILITY

Terpenes and Terpenoids, sweet orange-oil

RCRA HAZARDOUS WASTE NO. D001



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## Superfund Amendments and Reauthorization Act of 1986 (SARA)

## **Hazard categories**

Flammable aerosol, Serious Eye Damage/Eye Irritation, Skin sensitizer, Aspiration Hazard

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

# **US State Regulations**

### **US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

# US. New Jersey Worker and Community Right-to-Know Act Chemical Identity

Distillates (petroleum), hydrotreated light White mineral oil (petroleum) 2-Propanone Propane

## **US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

# US. Pennsylvania RTK - Hazardous Substances Chemical Identity

Distillates (petroleum), hydrotreated light White mineral oil (petroleum) 2-Propanone Propane

#### US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

#### International regulations

#### Montreal protocol

Distillates (petroleum), hydrotreated light 2-Propanone Terpenes and Terpenoids, sweet orange-oil

### Stockholm convention

Distillates (petroleum), hydrotreated light 2-Propanone Terpenes and Terpenoids, sweet orange-oil

### **Rotterdam convention**

Distillates (petroleum), hydrotreated light 2-Propanone Terpenes and Terpenoids, sweet orange-oil

# **Kyoto protocol**



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# **Inventory Status:**

Australia AICS On or in compliance with the inventory

Canada DSL Inventory List On or in compliance with the inventory

EINECS, ELINCS or NLP Not in compliance with the inventory.

Japan (ENCS) List Not in compliance with the inventory.

China Inv. Existing Chemical Substances Not in compliance with the inventory.

Korea Existing Chemicals Inv. (KECI)

Not in compliance with the inventory.

Canada NDSL Inventory Not in compliance with the inventory.

Philippines PICCS On or in compliance with the inventory

US TSCA Inventory

On or in compliance with the inventory

New Zealand Inventory of Chemicals

Not in compliance with the inventory.

Japan ISHL Listing Not in compliance with the inventory.

Japan Pharmacopoeia Listing Not in compliance with the inventory.

Mexico INSQ Not in compliance with the inventory.

Ontario Inventory Not in compliance with the inventory.

Taiwan Chemical Substance Inventory

Not in compliance with the inventory.

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

**Issue Date**: 12/02/2020

**Revision Information:** No data available.

Version #: 2.0

Further Information: No data available.

**Disclaimer:** This information is provided without warranty. The information is believed to

be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.