

FC PROTM

SAFETY DATA SHEET

Issue date 26-Mar-2015

Revision Date 13-Apr-2017

Version 9

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code(s) 971089

Product name Citrus-Solv® HP

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Oilfield Chemical

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier

FC PRO, LLC
19914 G.H. Circle
Waller, TX 77484, U.S.A.
(936) 372-0031
(936) 372-0038 (fax)

For further information, please contact:

Contact Point www.fcprosolutions.com

E-mail address info@fcprosolutions.com

1.4. Emergency telephone number

Emergency telephone Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aspiration toxicity	Category 1
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Sub-Category 1B
Chronic aquatic toxicity	Category 2
Physical hazards Flammable liquids	Category 3

2.2. Label Elements

**Signal Word**

Danger

Hazard Statements

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects

H226 - Flammable liquid and vapor

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

2.3. Other information**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

Chemical Name	EC-No	CAS-No	Weight-%	Classification (Reg. 1272/2008)	REACH Registration No.
Terpene Hydrocarbons	273-309-3	68956-56-9	100	Flam. Liq. 2 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)	No data available

4. FIRST AID MEASURES**4.1. Description of first aid measures****General advice**

Show this material safety data sheet to the doctor in attendance. If symptoms persist, call a physician.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Ingestion

Call a physician or poison control center immediately. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Self-Protection of the First Aider

Remove all sources of ignition. Use personal protective equipment as required.

4.2. Most important symptoms and effects, both acute and delayed**4.3. Indication of any immediate medical attention and special treatment needed.****Notes to physician**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**5.1. Extinguishing media****Suitable Extinguishing Media**

Use CO₂, dry chemical, or foam.

Extinguishing media which must not be used for safety reasons

Water.

5.2. Special hazards arising from the substance or mixture**Special Hazard**

Improperly stored soaked rags or paper may spontaneously combust; place in appropriate disposal container.

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required.

Material can create slippery conditions. See section 12 for additional ecological information.

6.2. Environmental precautions

Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

Soak up with inert absorbent material. Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. Do not flush into surface water or sanitary sewer system.

7. HANDLING AND STORAGE**7.1. Precautions for safe handling**

Ensure adequate ventilation. Do not breathe vapors or spray mist. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes or clothing. Wear personal protective equipment/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available

8.2. Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye Protection

Safety glasses with side-shields. Goggles.

Hand Protection

Impervious gloves.

Skin and body protection

Impervious gloves. Wear suitable protective clothing.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene measures

When using do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

Environmental Exposure Controls

Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State

Liquid

Appearance

No information available

Odor

Terpene

Color

yellow - amber

Property

Values

Remarks/ Method

pH

No data available

Freezing Point

No data available

Boiling point / boiling range

No data available

Flash Point

49 °C / 120 °F

CC (closed cup)

Evaporation rate

No data available

Flammability (solid, gas)

No data available

Flammability Limit in Air

No data available

Upper flammability limit

Lower flammability limit

Vapor pressure

No data available

Vapor density

No data available

Relative density

No data available

Water solubility

Insoluble in water

Solubility in other solvents

No data available

Partition coefficient: n-octanol/water

No data available

Autoignition temperature

No data available

Decomposition temperature

No data available

Kinematic viscosity

No data available

Explosive properties

No data available

Oxidizing Properties

No data available

Softening point
Molecular Weight
VOC content
Density Bulk Density

No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to Avoid

Heat, flames and sparks.

10.5. Incompatible Materials

Strong oxidizing agents. Strong acids.

10.6. Hazardous Decomposition Products

None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product Information

Inhalation	Vapors may be irritating to eyes, nose, throat, and lungs. May cause irritation of respiratory tract.
Eye contact	Avoid contact with eyes. Severely irritating to eyes.
Skin contact	May cause irritation. Prolonged skin contact may defat the skin and produce dermatitis. May cause sensitization by skin contact.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic toxicity

Carcinogenicity

Contains no ingredient listed as a carcinogen >0.1%

Sensitization

May cause sensitization of susceptible persons Resulting from improper storage and handling.

Reproductive toxicity

No information available

Mutagenic effects

No information available

Developmental Toxicity

No information available

Teratogenicity

No information available

Target Organ Effects

No information available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity**Ecotoxicity**

. The environmental impact of this product has not been fully investigated.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects**13. DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods****Waste from Residues/Unused Products**

Dispose of in accordance with local regulations.

Contaminated packaging

Do not reuse empty containers.

EWC Waste Disposal No

According to the European Waste Catalog, Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used

14. TRANSPORT INFORMATION**Note**

DOT Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)".

DOT**Packaging size**

<119 gal

Proper shipping name

Not Regulated

Packaging size

>119 gal

Proper shipping name

UN2319, Terpene hydrocarbons, n.o.s. (dipentene), 3, PG III, Marine Pollutant

Hazard class

3

UN/ID no.

UN2319

Packing Group

PG III

IMDG/IMO**Proper shipping name**

UN2319, Terpene hydrocarbons, n.o.s. (dipentene), 3, PG III, Marine Pollutant

Hazard class

3

UN/ID no.

UN2319

Packing Group

PG III

ADR/RID**Proper shipping name**

UN2319, Terpene hydrocarbons, n.o.s. (dipentene), 3, PG III, Marine Pollutant

Hazard class

3

UN/ID no.

UN2319

Packing Group

PG III

ICAO/IATA**UN/ID no.**

UN2319

Proper shipping name

UN2319, Terpene hydrocarbons, n.o.s., 3, PG III

Hazard class

3

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories**

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	-
ENCS	-
IECSC	-
AICS	-
KECL	-

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

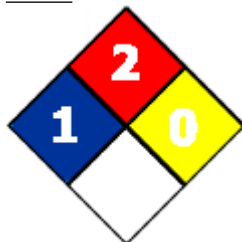
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazard 1	Flammability 2	Stability 0	Physical and chemical hazards -
<u>HMIS</u>	Health Hazard 1	Flammability 2	Physical Hazard 0	Personal protection -.

**Full text of H-Statements referred to under sections 2 and 3**

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

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H226 - Flammable liquid and vapor

Prepared By HSE Department

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Revision Note Not applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

US Only: This safety data sheet complies with the requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Disclaimer

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