



THIS APPLIES TO UNDILUTED MATERIAL ONLY!

Safety Data Sheet

CITRAX₅₂₁

SDS Revision Date: 07/31/2020

1. Product and Company Name

1.1. Product identifier

Product Identity CITRAX₅₂₁
Alternate Names NA ID NO: 521.20

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

Intended use See product label.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Hydrus Detergents
2621 7th Avenue South
Estherville, IA. 51334

1.4 Emergency Spill Information

24 hour Emergency Telephone No. CHEMTREC: (800) 424-9300
Outside US: (703)-527-3887

Customer Service: Hydrus Detergents PHONE: (712) 765-1060
FAX: (712) 765-1062

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Skin Irrit. 2;H315 Causes skin irritation.
Skin Sens. 1;H317 May cause an allergic skin reaction.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Warning

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

[Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P235 Keep cool.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P333+313 If skin irritation or a rash occurs: Get medical advice / attention.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.
P391 Collect spillage.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %
D-Limonene CAS Number: 0005989-27-5	10 - 30
Surfactant blend CAS Number: Proprietary	10 - 30

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to material other than this product may have occurred.

Inhalation

If sneezing or coughing occurs get victim to fresh air.

Eyes

Allow streaming water to flow over the face while blinking the eyes for at least 15 minutes, making sure you have complete irrigation of the eye and lids. Seek medical attention immediately.

Skin

Thoroughly wash with water; use soap if available. Remove contaminated clothing and footwear. Seek medical attention. Wash contaminated clothing and shoes before re-use, discard if cannot be cleaned.

Ingestion

Do NOT induce vomiting. Give milk or water to dilute stomach contents. Seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Overview

ACUTE: Eye and skin irritation
CHRONIC: None Known
INHALATION: Can cause nasal irritation.
EYES: Can create eye irritation or damage.
SKIN: Can create skin irritation.
INGESTION: Can cause stomach/throat irritation.
Not listed as carcinogenic by OSHA, NTP, IARC, and ACGIH.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NA
See section 2 for further details.

Skin

May cause an allergic skin reaction. Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media: Water, Dry Chemical, Carbon Dioxide, Sand

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon Dioxide or Carbon Monoxide or combustion

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

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

None

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions : No data available

6.3. Methods and material for containment and cleaning up

Shut off leak if this can be done without injury to anyone. Flush area with large amounts of water.

Large Spills: These should be diked with earth; then pumped to a salvage tank.

Waste Disposal: After spill is contained, absorb with floor dry or sand. Small spills can be flushed to the sewer with large amounts of water.

Dispose of in accordance with all Federal, State and Local pollution control laws and regulations.

7. Handling and storage

7.1. Precautions for safe handling

The requirements of the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations apply if the flashpoint is between 21°C and 32°C.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry area. Keep container closed when not in use. Freeze/thaw stable; however container could crack when frozen.

Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.

Incompatible materials: Strong oxidizing agents

See section 2 for further details. - [Storage]:

7.3. Specific end use(s) : Industrial detergent

8. Exposure controls and personal protection

8.1. Control parameters

Carcinogen Data : No suspected or known carcinogens.

8.2. Exposure controls

Respiratory Safety Mask

Eyes Safety glasses or goggles.

Skin Wear overalls/jacket to keep skin contact to a minimum. Rubber

Engineering Controls Use with adequate ventilation

Other Work Practices It is recommended to wear all proper safety equipment and/or clothing when mixing this product. Facilities storing or using this material should be equipped with an eyewash facility and emergency shower. Good personal hygiene practices should always be followed. Always wash thoroughly after handling.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Tan Liquid
Odor	Citrus
Odor threshold	Not Measured
pH	5% Solution = 6-9
Melting point / freezing point	32 F
Initial boiling point and boiling range	>212 F
Flash Point	>155 F
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: NA Upper Explosive Limit: NA
Vapor pressure (Pa)	1 mm/hg @ 20 C
Vapor Density	4.6 (Air=1)
Specific Gravity	.97
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	NA
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured

9.2. Other information

No other relevant information.

10. Stability and reactivity

- 10.1. **Reactivity:** Hazardous Polymerization will not occur.
- 10.2. **Chemical stability:** Stable under normal circumstances.
- 10.3. **Possibility of hazardous reactions:** No data available
- 10.4. **Conditions to avoid:** No data available
- 10.5. **Incompatible materials:** Strong oxidizing agents
- 10.6. **Hazardous decomposition products:** Carbon Dioxide or Carbon monoxide or combustion

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
D-Limonene - (5989-27-5)	4,400.00, Rat - Category: 5	5,000.00, Rabbit - Category: 5	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	May cause skin irritation.
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Very toxic to aquatic life with long lasting effects.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
D-Limonene - (5989-27-5)	0.702, Pimephales promelas	0.577, Daphnia magna	Not Available

12.3. **Bioaccumulative potential:** Not Measured

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

12.5. **Results of PBT and vPvB assessment:** This product contains no PBT/vPvB chemicals

12.6. **Other adverse effects:** No data available

13. Disposal considerations

13.1. **Waste treatment methods:** Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated

14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Sub Class: Not Applicable	
14.5. Environmental hazards		Not Applicable	Not Applicable
IMDG	Marine Pollutant: No		
14.6. Special precautions for user:	No further information		

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification B3 D2B

US EPA Tier II Hazards

Fire:	Yes
Sudden Release of Pressure:	No
Reactive:	No
Immediate (Acute):	Yes
Delayed (Chronic):	No

EPCRA 311/312 Chemicals and RQs: (No Product Ingredients Listed)

EPCRA 302 Extremely Hazardous : (No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals: (No Product Ingredients Listed)

Proposition 65 - Carcinogens (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%): (No Product Ingredients Listed)

N.J. RTK Substances (>1%) : (No Product Ingredients Listed)

Penn RTK Substances (>1%) : (No Product Ingredients Listed)

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

We believe this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act. We believe the information contained on this Safety Data Sheet is current and offered in good faith. The information is provided for your guidance only. Hydrus Detergents makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. It is the user's obligation to determine the suitability of this product for a specific purpose and the conditions for safe use of the product. We reserve the right to revise this Safety Data Sheet as newer information becomes available. Hydrus Detergents makes no warranty of any kind.

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