



# CITRUSOLVE SDS

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name on Label: PROFESSIONALS CHOICE CITRUSOLVE

Other Identification: NONE

Use of the substance/mixture: CLEANER/DEGREASER

Company name : MOORE OIL COMPANY  
4033 WEST CUSTER AVE  
MILWAUKEE, WI 53209 (414) 462-3200

Emergency number: (800) 424-9300 - CHEMTREC

## SECTION 2: Hazards identification

Classification of the substance or mixture: This mixture is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), Flammable liquids Category 3, Skin Corrosion/irritation Category 2, Serious Eye Damage/Eye Irritation Category 2, Skin Sensitization Category 1, Aspiration Toxicity Category 1

Label elements: Signal Word – Danger

Hazard Statements – Flammable liquid and vapor, May be fatal if swallowed and enters airways, Causes skin irritation, Causes serious eye irritation, May cause an allergic skin reaction



### Precautionary Statements

Prevention – Wash face, hands and any exposed skin 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. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Skin – If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Eyes – 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.

Ingestion – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Do NOT induce vomiting.

Fire – In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

Storage – Store locked up. Store in a well-ventilated place. Keep cool.

Disposal – Dispose of contents/container to an approved waste disposal plant

Other hazards: Very toxic to aquatic life with long lasting effects



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## SECTION 3: Composition/information on ingredients

Mixture

| NAME              | PRODUCT IDENTIFIER | % BY WT |
|-------------------|--------------------|---------|
| D-Limonene        | 5989-27-5          | 95-97   |
| NP-9              | 127087-87-0        | 2-4     |
| Other ingredients | Not classifiable   | >2      |

## SECTION 4: First aid measures

General Advice: If symptoms persist, call a physician.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Obtain medical attention.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention. Risk of serious damage to the lungs.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Call a physician or Poison Control Center immediately. If vomiting occurs naturally, have victim lean forward.

Most important symptoms/effects: Breathing difficulties. May cause allergic skin reaction. . Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing

Notes to Physician: Treat symptomatically.

## SECTION 5: Fire-fighting measures

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Cool closed containers exposed to fire with water spray.

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire

Flash Point 48 °C / 118.4 °F Method - No information available

Autoignition Temperature 255 °C / 491 °F

Explosion Limits - Upper No data available Lower No data available

Sensitivity to Mechanical Impact: No information available

Sensitivity to Static Discharge: No information available

Specific Hazards Arising from the Mixture: Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Containers may explode when heated. Vapors may form explosive mixtures with air.

Do not allow run-off from firefighting to enter drains or water courses.

Hazardous Combustion Products – Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>)

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

NFPA - Health 3, Flammability 2, Instability 0, Physical hazards N/A



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## SECTION 6: Accidental release measures

**Personal Precautions:** Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.

**Environmental Precautions:** Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Avoid release to the environment. Collect spillage.

**Methods for Containment and Clean Up:** Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment

## SECTION 7: Handling and storage

**Handling:** Wear personal protective equipment. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary measures against static discharges.

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition.

## SECTION 8: Exposure controls/personal protection

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

**Engineering Measures:** Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal Protective Equipment:** Eye/face Protection – Tightly fitting safety goggles. Face-shield.

Skin and body protection – Long sleeved clothing.

**Respiratory Protection –** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: Physical and chemical properties

**Physical State:** Liquid

**Appearance:** Light yellow

**Odor:** sweet

**Odor Threshold:** No information available

**pH:** No information available

**Melting Point/Range:** -74 °C / -101.2 °F

**Boiling Point/Range:** 175.4 - 176 °C / 347.7 - 348.8 °F

**Flash Point:** 48 °C / 118.4 °

**Evaporation Rate:** No information available

**Flammability (solid, gas):** Not applicable

**Flammability or explosive limits**

**Upper:** No data available

**Lower:** No data available

**Vapor Pressure:** 2.1 hPa @ 20.0 °C

**Vapor Density:** No information available

**Relative Density:** 0.841

**Solubility:** insoluble

**Partition coefficient; n-octanol/water:** No data available

**Auto ignition Temperature:** 255 °C / 491 °F

**Decomposition temperature:** No information available

**Viscosity:** 0.844 mPas @ 25°C



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## SECTION 10: Stability and reactivity

Reactive Hazard: None known, based on information available

Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible Materials: Acids, Strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

Hazardous Polymerization: Hazardous polymerization does not occur.

Hazardous Reactions: None under normal processing.

## SECTION 11: Toxicological information

Irritation: Irritating to eyes and skin

Sensitization: No information available.

Carcinogenicity: Not listed as a carcinogen.

Mutagenic Effects: No information available

Reproductive Effects: No information available.

Developmental Effects: No information available.

Teratogenicity: No information available.

STOT - single exposure: None known

STOT - repeated exposure: None known

Aspiration hazard: No information available

Symptoms / effects, both acute and delayed: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting; Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing

Endocrine Disruptor Information: No information available

## SECTION 12: Ecological information

Ecotoxicity: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment.

| Component  | Freshwater Algae | Freshwater Fish                                     | Microtox   | Water Flea |
|------------|------------------|---|------------|------------|
| D-Limonene | Not listed       | 35 mg/L LC50 96 h<br>0.619 -0.796 mg/L<br>LC50 96 h | Not listed | Not listed |

Persistence and Degradability: Insoluble in water. May persist based on information available.

Bioaccumulation/ Accumulation: No information available.

Mobility: Is not likely mobile in the environment due its low water solubility.

## SECTION 13: Disposal considerations

Waste Disposal Methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14: Transport information

DOT

UN-No UN2052

Proper Shipping Name DIPENTENE

Hazard Class 3



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Packing Group III  
TDG

UN-No UN2052  
Packing Group III  
IATA

Proper Shipping Name DIPENTENE

Hazard Class 3

UN-No UN2052  
Packing Group III  
IMDG/IMO

Proper Shipping Name DIPENTENE

Hazard Class 3

UN-No UN2052  
Packing Group III

Proper Shipping Name DIPENTENE

Hazard Class 3

## SECTION 15: Regulatory information

D-Limonene EINECS - 227-813-5

U.S. Federal Regulations –

TSCA 12(b): Not applicable

SARA 313: Not applicable

SARA 311/312: Hazardous Categorization

Acute Health Hazard: Yes

Chronic Health Hazard: Yes

Fire Hazard: Yes

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Clean Water Act: Not applicable

Clean Air Act: Not applicable

OSHA Occupational Safety and Health Administration: Not applicable

CERCLA: Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals

State Right-to-Know – Illinois

U.S. Department of Transportation –

Reportable Quantity (RQ): N

DOT Marine Pollutant: N

DOT Severe Marine Pollutant: N

U.S. Department of Homeland Security: This product does not contain any DHS chemicals.

## SECTION 16: Other information

The information in this Safety Sheet was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This safety sheet was prepared and is to be used only for this product. If the product is used as a component in another product, this safety sheet information may not be applicable.