## NTERSTATE GOMMODITIES CORP. «TRUS PI

# Safety Data Sheet Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: February 25, 2019

Revision: February 25, 2019

1 Identification	
Product identifier	DISTRIBUTED BY: R.E. CARROLL, INC. 1570 NORTH OLDEN AVENUE EXT. TRENTON, NJ 08638-3204 USA
<ul> <li>Trade name: <u>d-Limonene WS3</u></li> <li>Recommended use and restriction on use</li> <li>Recommended use: Product component Cleaner solvent Degreaser</li> <li>Restrictions on use: No relevant information available.</li> </ul>	T: 609-695-6211/800-257-9365 F: 609-695-0102 orders@recarroll.com
Details of the supplier of the Safety Data Sheet Manufacturer/Supplier: Interstate Commodities Corp. 117 N. Main Street, Suite 2B Greenville, SC 29601 864-640-8635 info@icccitrus.com	
Emergency telephone number: ChemTel Inc. (800)255-3924 (North America) +1 (813)248-0585 (International)	
2 Hazard(s) identification	
Classification of the substance or mixture	
Flam. Liq. 3 H226 Flammable liquid and vapor.	
Skin Irrit. 2 H315 Causes skin irritation.	
Skin Sens. 1 H317 May cause an allergic skin reaction.	
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.	
<ul> <li>Label elements</li> <li>GHS label elements</li> <li>The product is classified and labeled according to the Globally Harmor</li> <li>Hazard pictograms:</li> </ul>	nized System (GHS).
GHS02 GHS07 GHS08	
<ul> <li>Signal word: Danger</li> <li>Hazard statements: H226 Flammable liquid and vapor. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H304 May be fatal if swallowed and enters airways.</li> <li>Precautionary statements:</li> </ul>	
P210Keep away from heat/sparks/open flames/hot surfaP233Keep container tightly closed.P240Ground/bond container and receiving equipment.	-
P241 Use explosion-proof electrical/ventilating/lighting/eq	uipment. (Cont'd. on page 2

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<b>D</b> 040	(Cont'd. of page 1)
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing mist, vapors, or spray.
P264	Wash thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P331	Do NOT induce vomiting.
P303+P361+P3	353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with
	water/shower.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use foam, powder, or carbon dioxide for extinction.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.
<ul> <li>NFPA ratings (</li> </ul>	(scale 0 - 4)
Fire	lth = 2 = 2 ability = 0
<sup>.</sup> HMIS-ratings (	(scale 0 - 4)
FIRE 2 Fin	ealth = 2 e = 2 eactivity = 0
<sup>.</sup> Other hazard	<b>Is</b> There are no other hazards not otherwise classified that have been identified.

Chemical	characterization: Mixtures	
Compone	nts:	
5989-27-5	d-limonene Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315; Skin Sens. 1, H317	70-100%
123-35-3	Myrcene Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315; Eye Irrit. 2A, H319	0-5%
80-56-8	alpha-Pinene Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315; Skin Sens. 1, H317	0-2%
127-91-3	beta-Pinene Flam. Liq. 3, H226 Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	0-2%

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0-2%

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99-85-4 p-mentha-1,4-diene Flam. Liq. 3, H226 Asp. Tox. 1, H304

#### 4 First-aid measures

#### Description of first aid measures · After inhalation: Supply fresh air: consult doctor in case of complaints. In case of unconsciousness place patient stably in side position for transportation. · After skin contact: Immediately remove any clothing soiled by the product. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor. · After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Most important symptoms and effects, both acute and delayed: Allergic reactions Irritant to skin and mucous membranes. Dizziness Breathing difficulty Gastric or intestinal disorders Danger: May be fatal if swallowed and enters airways. Danger of impaired breathing. Repeated exposure may cause skin dryness or cracking. Indication of any immediate medical attention and special treatment needed: If swallowed, gastric irrigation with added, activated carbon. If swallowed or in case of vomiting, danger of entering the lungs. If necessary oxygen respiration treatment. Later observation for pneumonia and pulmonary edema. Contains d-limonene. May produce an allergic reaction. Treat skin and mucous membrane with antihistamine and corticoid preparations.

## 5 Fire-fighting measures

## Extinguishing media Suitable extinguishing agents:

Fire-extinguishing powder Carbon dioxide Foam Water fog / haze • For safety reasons unsuitable extinguishing agents: Water stream. • Special hazards arising from the substance or mixture

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Formation of toxic gases is possible during heating or in case of fire.

#### Advice for firefighters

#### Protective equipment:

Wear self-contained respiratory protective device.

#### Wear fully protective suit.

#### Additional information:

Eliminate all ignition sources if safe to do so. Cool endangered containers with water fog.

#### 6 Accidental release measures

## Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Keep away from ignition sources. Protect from heat.

#### Environmental precautions

Do not allow to enter sewers/ surface or ground water.

Prevent from spreading (e.g. by damming-in or oil barriers).

Inform respective authorities in case of seepage into water course or sewage system.

#### Methods and material for containment and cleaning up

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders). Send for recovery or disposal in suitable receptacles.

#### **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

#### 7 Handling and storage

#### <sup>·</sup> Handling

#### • Precautions for safe handling:

Open and handle receptacle with care.

Keep out of reach of children.

Use only in well ventilated areas.

Avoid splashes or spray in enclosed areas.

Keep away from heat and direct sunlight.

Rags, metal wools / cuttings / shavings and waste papers soaked with product must be placed in a sealed metal container rated for flammable waste.

#### Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Flammable gas-air mixtures may be formed in empty containers/receptacles.

The product forms flammable fumes when heated.

## Conditions for safe storage, including any incompatibilities

• Requirements to be met by storerooms and receptacles:

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Store in cool, dry conditions in well sealed receptacles. Avoid storage near extreme heat, ignition sources or open flame. • Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidizing agents. • Specific end use(s) No relevant information available.

8 Exposure controls	personal	protection
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#### <sup>·</sup> Control parameters

Control paran	
· Components w	ith limit values that require monitoring at the workplace:
80-56-8 alpha-F	Pinene
TLV (USA)	Long-term value: 112 mg/m³, 20 ppm DSEN
EL (Canada)	Long-term value: 20 ppm S(D)
EV (Canada)	Long-term value: 20 ppm
LMPE (Mexico)	Long-term value: 20 ppm A4, SEN
127-91-3 beta-F	Pinene
TLV (USA)	Long-term value: 112 mg/m³, 20 ppm DSEN
EL (Canada)	Long-term value: 20 ppm S(D)

•	,	
LMPE (N	Aexico)	Long-term
		A4, SEN

#### • Exposure controls

EV (Canada)

#### General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Long-term value: 20 ppm

value: 20 ppm

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

• Engineering controls: No relevant information available.

#### • Breathing equipment:

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

Use suitable respiratory protective device when aerosol or mist is formed.

NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used. **Protection of hands:** 



Protective gloves

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. **Material of gloves** Nitrile rubber, NBR

Neoprene gloves

Eye protection:



Safety glasses

· Body protection: Protective work clothing

Limitation and supervision of exposure into the environment

No relevant information available.

· Risk management measures No relevant information available.

#### 9 Physical and chemical properties

Appearance:	
Form:	Liquid
Color:	Clear to straw color.
Odor:	Citrus.
Odor threshold:	Not determined.
pH-value:	Not determined.
Melting point/Melting range:	<-50 °C (<-58 °F)
Boiling point/Boiling range:	160 °C (320 °F)
Flash point:	43 °C (109.4 °F)
Flammability (solid, gaseous):	Not applicable.
Auto-ignition temperature:	245 °C (473 °F)
Decomposition temperature:	Not determined.
Danger of explosion:	Product is not explosive. However, formation of explosive a vapor mixtures are possible.
Explosion limits	
Lower:	0.7 Vol %
Upper:	6.1 Vol %
Oxidizing properties:	Non-oxidizing.
Vapor pressure at 25 °C (77 °F):	200 Pa
Density:	
Relative density at 25 °C (77 °F):	0.84-0.85
Vapor density:	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.

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· Partition coefficient (n-octanol/water): Not determined.

· Viscositv Dynamic at 25 °C (77 °F): Kinematic: Other information

0.846 mPas Not determined. No relevant information available.

#### 10 Stability and reactivity

· Reactivity: No relevant information available.

· Chemical stability:

· Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

#### Possibility of hazardous reactions

Flammable liquid and vapor.

Used empty containers may contain product gases which form explosive mixtures with air. Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized. Toxic fumes may be released if heated above the decomposition point.

Conditions to avoid Excessive heat.

Incompatible materials Oxidizers

#### · Hazardous decomposition products

Under fire conditions only:

Carbon monoxide and carbon dioxide

#### **11** Toxicological information

Information on toxicological effects

• Acute toxicity: Based on available data, the classification criteria are not met.

#### · LD/LC50 values that are relevant for classification:

#### 5989-27-5 d-limonene

Oral LD50 >2000 mg/kg (rat, female)

#### Primary irritant effect:

• On the skin: Irritant to skin and mucous membranes.

· On the eye: Based on available data, the classification criteria are not met.

· Sensitization: Sensitization possible through skin contact.

#### · Carcinogenic categories

• IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

· NTP (National Toxicology Program):

None of the ingredients are listed.

**OSHA-Ca** (Occupational Safety & Health Administration):

None of the ingredients are listed.

#### Probable route(s) of exposure:

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Ingestion. Inhalation.

Eve contact.

Skin contact.

• Germ cell mutagenicity: Based on available data, the classification criteria are not met.

- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- · STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: May be fatal if swallowed and enters airways.

#### 12 Ecological information

#### <sup>·</sup> Toxicity

Aquatic toxicity

Very toxic to aquatic life with long lasting effects.

5989-27-5 d-limonene

LC50 <1 mg/l (pimephales promelas)

EC50 0.307 mg/l (daphnia)

· Persistence and degradability No relevant information available.

· Bioaccumulative potential: No relevant information available.

• Mobility in soil: No relevant information available.

<sup>•</sup> Additional ecological information

· General notes:

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

Avoid transfer into the environment.

Other adverse effects No relevant information available.

#### **13 Disposal considerations**

#### <sup>•</sup> Waste treatment methods

#### · Recommendation:

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

#### <sup>•</sup> Uncleaned packagings

• Recommendation: Disposal must be made according to official regulations.

14 Transport information		
· UN-Number		
· DOT	NA1993	
· ADR/RID/ADN, IMDG, IATA	UN2319	
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UN proper shipping name	
DOT ADR/RID/ADN, IMDG	Combustible liquid, n.o.s. (d-limonene, myrcene) TERPENE HYDROCARBONS, N.O.S. (d-limone
	myrcene)
ΙΑΤΑ	Terpene hydrocarbons, n.o.s. (d-limonene, myrcene
Transport hazard class(es)	
DOT	
COMPLETE	
Class Label	3 3
ADR/RID/ADN	
Class	3 (F1)
Label	3
IMDG, IATA	
Class	3
Label	3
Packing group	
DOT, ADR/RID/ADN, IMDG, IATA	III
Environmental hazards	
Marine pollutant:	
Yes	
103	
Created pressutions for war	
Special precautions for user Danger code (Kemler):	Warning: Flammable liquids 30
EMS Number:	F-E,S-D
Transport in bulk according to Annex	( II of
MARPOL73/78 and the IBC Code	Not applicable
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Transport/Additional information: DOT Classified as combustible under US DOT regulations. Labeling is only required for single packages ≥1 US gal / 450 L. Labeling as a Marine Pollutant is only required for bulk single package shipments. Bulk packaging consists of a maximum capacity of greater than 450 L (119 gallons) for a liquid and a maximum net ma greater than 400 kg (882 pounds) for a solid. (See 171.4(c)) ADR/RID/ADN Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each Marine pollutants packaged in single or combination packagings containing a net quantity per sing inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or for solids are not subject to provisions relevant to marine pollutants. (See 5.2.1.8.1) IMDG Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each Marine pollutants packaged in single or combination packagings containing a net quantity per sing inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or for solids are not subject to provisions relevant to marine pollutants. (See 5.2.1.8.1) IMDG Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each Marine pollutants packaged in single or combination packagings containing a net quantity per sing inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or for solids are not subject to provisions relevant to marine pollutants. (See 2.10.2.7) MATA		
DOT         Classified as combustible under US DOT regulations. Labeling is only required for single packages 21         US gal / 450 L.         Labeling as a Marine Pollutant is only required for bulk single package shipments. Bulk packaging consists of a maximum capacity of greater than 450 L (119 gallons) for a liquid and a maximum net ma greater than 400 kg (882 pounds) for a solid. (See 171.4(c))         ADR/RID/ADN         Imited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each         Marine pollutants packaged in single or combination packagings containing a net quantity per sing inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or for solids are not subject to provisions relevant to marine pollutants. (See 5.2.1.8.1)         IMDG         Imited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each         Marine pollutants packaged in single or combination packagings containing a net quantity per sing inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or for solids are not subject to provisions relevant to marine pollutants. (See 2.10.2.7)         IMDG       Imited Quantity for packages less than 30 kg gross and inner packaging of 5 kg or for solids are not subject to provisions relevant to marine pollutants. (See 2.10.2.7)         IATA       Imited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each L net.         Setton 190 (Lutantity for packages less than 30 kg gross and inner packaging of 5 kg or for solids are not subject to provisions relevant t		(Cont'd. of pag
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SARA Section 302 (extremely hazardous substances): None of the ingredients are listed. Section 355 (extremely hazardous substances):	mixture	
None of the ingredients are listed. Section 355 (extremely hazardous substances):	· United States (USA) · SARA	
Section 355 (extremely hazardous substances):	· Section 302 (extremely hazardous substances):	
Section 355 (extremely hazardous substances):	None of the ingredients are listed.	
Ocation 040 (One sitis taxis shaming) listings).	Section 313 (Specific toxic chemical listings):	

None of the ingredients are listed.

#### • TSCA (Toxic Substances Control Act)

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All ingredients are listed.

#### · Proposition 65 (California)

· Chemicals known to cause cancer:

123-35-3 Myrcene

• Chemicals known to cause developmental toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity for males:

None of the ingredients are listed.

• Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· EPA (Environmental Protection Agency):

None of the ingredients are listed.

IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

#### **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Date of preparation / last revision February 25, 2019 / -

#### · Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent OSHA: Occupational Safety & Health Administration TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Flam. Liq. 3: Flammable liquids - Category 3 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Skin Sens. 1: Skin sensitisation – Category 1 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 Asp. Tox. 1: Aspiration hazard - Category 1 Sources Website, European Chemicals Agency (echa.europa.eu) Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/ overview/home.do) Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org) Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6 Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5. Safety Data Sheets, Individual Manufacturers

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#### Trade name: d-Limonene WS3

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SDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com