



Product Identifier: Citra Solv
Revision Date: 05/24/2015

SAFETY DATA SHEET

This SDS complies with 29 CFR 1910.1200 (Hazard Communication Standard)
IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, and users of this product.

1. Identification

1.1. Product identifier

Product Identity	Citra Solv
Alternate Names	Citra Solv, d-Limonene
Product Code	130-08

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

Intended use	Solvent Cleaner
Application Method	See Label Instructions.

1.3. Details of the supplier of the safety data sheet

Company Name	Diamond Products Inc. 1216 Bozeman Ave. Helena, MT 59601
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Emergency

24 hour Emergency Telephone No.	Infotrac: 1 800-535-5053 Emergency: (406) 449-6570
Customer Service: Diamond Products Inc.	(406) 449-6570

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Flammable Liquid 3; H226	Flammable liquid and vapor
Aspiration Hazard 1: H304	May be fatal if swallowed and enters airways
Skin Sensitizer 1: H317	May cause an allergic skin reaction
Skin Irritation 2: H315	May cause skin irritation
Acute Aqua. Tox 1: H400	Very toxic to aquatic life

2.2. Label elements

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



Danger

H226: Flammable liquid and vapor
 H304 May be fatal if swallowed and enters airways.
 H315 May cause skin irritation
 H317: May cause an allergic skin reaction
 H400: Very toxic to aquatic life

[Prevention]:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233: Keep container tightly closed.
 P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
 P264 Wash thoroughly after handling.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P241+243: Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge.

[Response]:

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P331: Do NOT induce vomiting.
 P303+361+364+352: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of water / shower.
 P370+378: In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish
 P333+313: If skin irritation or a rash occurs: Get medical advice/attention.
 P391 Collect spillage.

[Storage]:

P403+235 Store in a well ventilated place. Keep cool.
 P405 Store locked up.

[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 %	GHS Classification	Notes
Orange, sweet, extract CAS Number: 8028-48-6	100	Flammable Liquid 3; H226 Aspiration Hazard 1: H304 Skin Sensitizer 1: H317 Skin Irritation 2: H315 Acute Aqua. Tox 1: H400	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

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.
Inhalation	Remove person to fresh air (out of the contaminated zone) and keep comfortable for breathing. Seek medical attention if you feel unwell.
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.
Skin	IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of water / shower. If skin irritation or rash occurs: Get medical advice / attention.
Ingestion	Immediately call a POISON CENTER / doctor. Do NOT induce vomiting.

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

Overview	Inhalation: Irritation and burning of respiratory tract. Skin Contact: May cause irritation, burning and rashes. Eye Contact: May cause irritation and burning sensation. Ingestion: May cause irritation and burning of mucous membranes of the mouth, throat, esophagus and stomach if ingested in large enough quantities. Signs and Symptoms of Exposure: Irritation in all areas of exposure. Medical Conditions Generally Aggravated by Exposure: Persons with allergies may be particularly susceptible from contact with this product. See section 2 for further details.
Inhalation	Irritation of the nose, throat, lungs
Eyes	Mild eye irritation
Skin	Irritation
Ingestion	Irritation. Delayed symptoms include varied symptoms for chemical pneumonia.

5. Fire-fighting measures

5.1. Extinguishing media

Use dry chemical, carbon dioxide, chemical foam to extinguish. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Vapors may accumulate in low-lying areas. Flashback along vapor trail may occur. Material may float and ignite on surface of water.

Produces carbon oxides (CO, CO₂), acrid smoke

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus.

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).
Avoid breathing the mist / vapors. Remove all sources of ignition.

6.2. Environmental precautions

Avoid releasing to the environments. Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Contain with inert absorbent (such as soil, sand, vermiculite).

Collect liquid in a sealable, solvent-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Wash spill area with soap and water to remove the last traces of residue.

Recommendation: Use a grounded stainless steel or carbon steel container.

Dispose of spill waste according to Section 13.

7. Handling and storage

7.1. Precautions for safe handling

Keep out of reach of children.

Avoid breathing vapors/fumes/mist/spray.

Keep container tightly closed.

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

Use explosion-proof electrical/ventilating/light/.../equipment. Take precautionary measures against static discharge.

Do not eat, drink or smoke when using this product.

Wear protective gloves / eye protection.

Wash hands thoroughly after handling.

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

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Store in a well-ventilated area. Keep cool.

Store locked up.

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

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
8028-48-6	d-Limonene	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
8028-48-6	d-Limonene	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
Eyes	Wear chemical goggles if a splash hazard exists.
Skin	Wear chemical resistant gloves for prolonged contact (PVA or Viton). Nitrile gloves are ok for incident exposure.
Engineering Controls	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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

9. Physical and chemical properties

Appearance	Colorless or very pale yellow liquid
Odor	Citrus, lemon like
Odor threshold	Not available
pH	Not available
Melting point / freezing point	-140 °F
Initial boiling point and boiling range	349°F
Flash Point	≥ 110°F
Evaporation rate (Ether = 1)	02 (ButAc = 1)
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: 0.7% Upper Explosive Limit: 6.1%
Vapor pressure (Pa)	2.7 hPa [2mmHg]
Vapor Density	4.7 (Air =1)
Specific Gravity	0.84 g/cc
Solubility in Water	insoluble
Partition coefficient n-octanol/water (Log Kow)	4.23
Auto-ignition temperature	458°F
Decomposition temperature	Not available
Viscosity (cSt)	<<20.5 mm ² /sec
VOC Content	>95%

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

d-Limonene can oxidize slowly in contact with air

10.2. Chemical stability

Chemically stable at normal temperatures and pressures.

10.3. Possibility of hazardous reactions

No hazardous polymerization.

10.4. Conditions to avoid

Ignition sources, excessive heat, and incompatible substances.

Vapors may form explosive mixture with air.

10.5. Incompatible materials

Strong oxidizing agents, strong acids, peroxides, halogens, vinyl chloride, and iodine pentafluoride.

10.6. Hazardous decomposition products

Will not decompose under normal conditions. For thermal decomposition, see combustion products in section 5.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Orange, sweet, extract- (8028-48-6)	>5,000, Rat - Category: 5	>5,000, 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	1	May be fatal if swallowed and enters airways

12. Ecological information

12.1. Toxicity

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

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Orange, sweet, extract- (8028-48-6)	0.702, Pimephales promelas (fathead minnow)	69.6, Daphnia pulex (water flea)	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Readily biodegrades in soil and groundwater.

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	UN2319	UN2319	UN2319
14.2. UN proper shipping name	TERPENE HYDROCARBONS, N.O.S.	TERPENE HYDROCARBONS, N.O.S.	TERPENE HYDROCARBONS, N.O.S.
14.3. Transport hazard class(es)	DOT Hazard Class: 3	IMDG: 3 Sub Class: Not Applicable	Air Class: 3
14.4. Packing group	III	III	III
14.5. Environmental hazards			
IMDG	Marine Pollutant: Yes		
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: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs (lbs):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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.

The full text of the phrases appearing in section 3 is:

H226: Flammable liquid and vapor

H304 May be fatal if swallowed and enters airways.

H315 Harmful if inhaled.

H317: May cause an allergic skin reaction

H400: Very toxic to aquatic life

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

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