

Don's Dazzling Decoction

Aerosol Contact Cleaner

Safety Data Sheet

1. Identification

Product Name:	Don's Dazzling Decoction
Product Number:	2094-12
Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:	Specialty fluorinated solvent blend for aerosol cleaning
Product Description	Qualified aerosol product to MIL-PRF-29608B Class C
Application of the Substance / the Mixture:	Aerosol contact cleaner
Manufacturer/Supplier:	PO Box 9 Tucker, GA 30085 Info@LssChemicals.com
Emergency Telephone Number:	800-535-5053 INFOTRAC

2. Hazard Identification

Classification of the substance or mixture:



GHS02 Flame

Flam. Aerosol 2 H223 Flammable aerosol.

GHS Label Elements	The product is classified and labeled according to the Globally Harmonized System (GHS).
Signal Word	Warning

Hazard Statements:

H223	Flammable aerosol.
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Precautionary statements:

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Unknown acute toxicity:

3 % of the mixture consists of component(s) of unknown toxicity.

Classification System: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)

HEALTH	1
FIRE	3
REACTIVITY	1

Hazard(s) not otherwise classified (HNOC): None known

3. Composition/Information on Ingredients

Description:	Mixture: consisting of the following components.	
Dangerous Components:		
CAS: 811-97-2	1,1,1,2-Tetrafluoroethane (HFC-134a) ⚠ Press. Gas, H281	Proprietary%
CAS: 287-92-3 RTECS: GY 2390000	Cyclopentane ⚠ Flam. Liq. 2, H225; Aquatic Chronic 3, H412	Proprietary%
CAS: 124-38-9 RTECS: FF 6400000	Carbon Dioxide ⚠ Press. Gas, H280; Simple Asphyxiant	Proprietary%
	Proprietary Solvent ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	1.41%

4. First-Aid Measures

After Inhalation:	Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
After Skin Contact:	Generally the product does not irritate the skin. Wash with soap and water. If skin irritation occurs, consult a doctor.
After Eye Contact:	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 without medical advice. If vomiting does occur, repeat fluid administration If swallowed and symptoms occur, consult a doctor.
Information For Doctor:	Treat symptomatically and supportively. No specific antidote.
Most Important Symptoms and Effects, Both Acute and Delayed:	Breathing difficulty
Indication of Any Immediate Medical Attention and Special Treatment Needed:	Do not administer preparations of the adrenalin-ephedrine-group.

5. Fire-Fighting Measures

Suitable Extinguishing Agents:	CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety Reasons Unsuitable Extinguishing Agents:	No further relevant information.
Special Hazards Arising from the Substance or Mixture:	Pressurised container, protect from sunlight and do not expose to temperatures exceeding 50°C. Closed containers may explode when exposed to extreme heat.
Advice for Firefighters	
Special Protective Equipment for Firefighters:	Mouth respiratory protective device. As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Wear protective equipment. Keep unprotected persons away. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
Environmental Precautions:	Do not allow to enter sewers/surface or ground water.
Methods and Material for Containment and Cleaning Up:	Dispose contaminated material as waste according to section 13. Ensure adequate ventilation. Dispose of the collected material according to regulations.
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

Precautions for Safe Handling:	Ensure good ventilation/exhaustion at the workplace.
Information About Protection Against Explosions and Fires:	Do not spray on a naked flame or any incandescent material. Protect from heat.
Conditions for Safe Storage, Including Any Incompatibilities:	
Storage:	
Requirements to be Met by Storerooms and Receptacles:	Observe official regulations on storing packagings with pressurized containers.
Information About Storage in One Common Storage Facility:	Not required.
Further Information About Storage Conditions:	Keep receptacle tightly sealed. Protect from heat and direct sunlight.
Specific End Use(s):	No further relevant information available.

8. Exposure Controls/Personal Protection

Additional Information About Design of Technical Systems:

No further data; see section 7.

Control Parameters:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Components with Occupational Exposure Limits:

811-97-2 1,1,1,2-Tetrafluoroethane (HFC-134a)

WEEL Long-term value: 1000 ppm

287-92-3 Cyclopentane

REL Long-term value: 1720 mg/m³, 600 ppm

TLV Long-term value: 1720 mg/m³, 600 ppm

124-38-9 Carbon Dioxide

PEL Long-term value: 9000 mg/m³, 5000 ppm

REL Short-term value: 54,000 mg/m³, 30,000 ppm
Long-term value: 9000 mg/m³, 5000 ppm

TLV Short-term value: 54,000 mg/m³, 30,000 ppm
Long-term value: 9000 mg/m³, 5000 ppm

Proprietary Solvent

PEL Long-term value: 980 mg/m³, 400 ppm

REL Short-term value: 1225 mg/m³, 500 ppm
Long-term value: 980 mg/m³, 400 ppm

TLV Short-term value: 984 mg/m³, 400 ppm
Long-term value: 492 mg/m³, 200 ppm
BEI

Fluosolv Electric Clean Aid (Calculated Allowable Exposure Limits)

AEL 811 ppm

Ingredients with biological limit values:

Proprietary Solvent

BEI 40 mg/L / urine / end of shift at end of workweek Acetone (background, nonspecific)

Additional Information:

The lists that were valid during the creation of this SDS were used as basis.

Exposure Controls:

Personal Protective Equipment:

General Protective and Hygienic Measures:

Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.

Breathing Equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
Use suitable respiratory protective device in case of insufficient ventilation.

Protection of Hands:

Not required.

Material of Gloves:

Not required.

Penetration Time of Glove Material:

Not applicable.

Eye Protection:



Safety glasses

Body Protection:

Not required.

9. Physical and Chemical Properties

Appearance:	
Form:	Aerosol
Color:	Colorless
Odor:	Weak, characteristic
Odor Threshold:	Not determined.
pH-value:	N/A
Change in Condition	
Melting point/Melting range:	--
Boiling Point/Boiling Range:	43 °C (109.4 °F) (bulk liquid)
Flash Point:	No Closed Cup Flash Point
Flammability (solid, gaseous):	Flammable aerosol. Product does not have a flash point, but is ignitable when the UN drum space ignition testing is performed. Ignitable flame does not exceed ≥ 15 cm in the ignition test under the UN Classification of Spray Aerosols.
Ignition Temperature:	380 °C (716 °F)
Decomposition Temperature:	Not determined.
Auto Igniting:	Product is not self-igniting.
Danger of Explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure @ 20 °C (68 °F):	5716 hPa (4,287.4 mm Hg) (Aerosol)
Density @ 20 °C (68 °F):	1.3 g/cm ³ (10.8485 lbs/gal) (bulk liquid)
Relative density:	Not determined.
Vapor density @ 20 °C (68 °F):	3.6 (air=1) (heavier than air)
Evaporation rate:	66 (ref std. BUOAC =1)
Solubility in / Miscibility with:	
Water @ 20 °C (68 °F):	Not miscible
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
VOC content:	165 g/l (per SCAQMD methodology)
Other information:	No further relevant information available.

10. Stability and Reactivity

Reactivity:	Stable under normal conditions.
Chemical Stability:	Stable under normal conditions.
Thermal Decomposition / Conditions to be Avoided:	No decomposition if used according to specifications.
Possibility of Hazardous Reactions:	No dangerous reactions known.
Conditions to Avoid:	No further relevant information available.
Incompatible Materials:	No further relevant information available.
Hazardous Decomposition Products:	No dangerous decomposition products known.

11. Toxicological Information

Acute Toxicity:

LD/LC50 Values that are Relevant for Classification:

Proprietary Fluorinated Fluid Mixture

Oral	LD50	>5000 mg/kg (Rat)
Dermal	LD50	>5000 mg/kg (Rabbit)
Inhalative	LC50/4 h	114 mg/l (Rat)

Proprietary Solvent

Oral	LD50	5045 mg/kg (Rat)
Dermal	LD50	12800 mg/kg (Rabbit)
Inhalative	LC50/4 h	30 mg/l (Rat)
	LC50/96 hours	9640 mg/l (Pimephales)

Primary Irritant Effect:

On the Skin: No irritating effect.

On the Eye: No irritating effect.

Additional Toxicological Information:

The product shows the following dangers according to internally approved calculation methods for preparations: The product is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. Harmful

Carcinogenic Categories:

IARC (International Agency for Research on Cancer):

Group 1 - Carcinogenic to humans
 Group 2A - Probably carcinogenic to humans
 Group 2B - Possibly carcinogenic to humans
 Group 3 - Not classifiable as to its carcinogenicity to humans
 Group 4 - Probably not carcinogenic to humans

NTP (National Toxicology Program): None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed.

12. Ecological Information

Aquatic Toxicity:

Proprietary Fluorinated Fluid Mixture

EC50 >120 mg/l (Green algae)
 11.7 mg/l (Water flea)

287-92-3 Cyclopentane

EC50 10.52 mg/l (Water flea)

Proprietary Solvent

EC50 6851 mg/l (Green algae)
 5102 mg/l (Water flea)

Persistence and Degradability: No further relevant information available.

Behavior in Environmental Systems:

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.

Additional Ecological Information:

General Notes:

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Other Adverse Effects: No further relevant information available.

13. Disposal Considerations

Waste Treatment Methods:

Recommendation: Contact manufacturer for recycling information. Observe all federal, state and local environmental regulations when disposing of this material.

Uncleaned Packagings

Recommendation: Disposal must be made according to official regulations.

14. Transport Information

UN-Number:

DOT, ADR/ADN, ADN, IMDG, IATA UN1950

UN Proper Shipping Name:

DOT, ADR/ADN, ADN, IMDG, IATA UN1950 Aerosols, flammable

Transport Hazard Class(es):

DOT

Class: 2 Gases

Label: 2.1



ADR/ADN

Class: 2 5F Gases

Label: 2.1



IMDG, IATA

Class: 2 Gases

Label: 2.1



Packing Group: N/A

Environmental Hazards: Not applicable.

Special Precautions for User: Warning: Gases

EMS Number: F-D,S-U

Stowage Code SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

Transport/Additional information:

DOT - Quantity Limitations: On passenger aircraft/rail: 75 kg
On cargo aircraft only: 150 kg

ADR/ADN - Excepted Quantities (EQ): Code: E0
Not permitted as Excepted Quantity

IMDG

Limited Quantities (LQ): 1L

Excepted Quantities (EQ): Code: E0
Not permitted as Excepted Quantity

UN "Model Regulation": UN 1950 AEROSOLS, 2.1

15. Regulatory Information

SARA (Superfund Amendments and Reauthorization):			
Section 355 (Extremely Hazardous Substances):	None of the ingredients are listed.		
Section 313 (Specific Toxic Chemical Listings):	Proprietary Solvent		
TSCA (Toxic Substances Control Act):			
	811-97-2	1,1,1,2-Tetrafluoroethane (HFC-134a)	
	287-92-3	Cyclopentane	
	124-38-9	Carbon Dioxide Proprietary Solvent	
	67-64-1	Acetone	
California Proposition 65:			
Chemicals Known to Cause Cancer:	None of the ingredients are listed.		
Chemicals Known to Cause Reproductive Toxicity for Females:	None of the ingredients are listed.		
Chemicals Known to Cause Reproductive Toxicity for Males:	None of the ingredients are listed.		
Chemicals Known to Cause Developmental Toxicity:	None of the ingredients are listed.		
New Jersey Right-to-Know List:			
	287-92-3	Cyclopentane	
	124-38-9	Carbon Dioxide Proprietary Solvent	
	67-64-1	Acetone	
New Jersey Special Hazardous Substance List:			
	287-92-3	Cyclopentane	F3
		Proprietary Solvent	F3
	67-64-1	Acetone	F3
Pennsylvania Right-to-Know List:			
	287-92-3	Cyclopentane	
	124-38-9	Carbon Dioxide Proprietary Solvent	
	67-64-1	Acetone	
Pennsylvania Special Hazardous Substance List:			
		Proprietary Solvent	E
	67-64-1	Acetone	E
Carcinogenic Categories:			
EPA (Environmental Protection Agency):			
	67-64-1	Acetone	I
TLV (Threshold Limit Value established by ACGIH):			
		Proprietary Solvent	A4
	67-64-1	Acetone	A4
NIOSH-Ca (National Institute for Occupational Safety and Health):			
	None of the ingredients are listed.		
	GHS label elements	The product is classified and labeled according to the Globally Harmonized System (GHS).	

Hazard pictograms:



Signal Word:

Warning

Hazard Statements:

H223 Flammable aerosol.

Precautionary Statements:

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

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

National Regulations: None of the ingredients are listed.

Other regulations, limitations and prohibitive regulations:

CERCLA Reportable Quantity: 1470 lbs, based on the percentage composition of this chemical in the product.: trans-Dichloroethylene

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Date of Preparation / Last Revision: 03/2/2022 | 1

Abbreviations and Acronyms:

ADR:	The European Agreement concerning the International Carriage of Dangerous Goods by Road	LD50:	Lethal dose, 50 percent
ADN:	The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	PBT:	Persistent, Bioaccumulative and Toxic
IMDG:	International Maritime Code for Dangerous Goods	vPvB:	very Persistent and very Bioaccumulative
DOT:	US Department of Transportation	NIOSH:	National Institute for Occupational Safety and Health
IATA:	International Air Transport Association	OSHA:	Occupational Safety & Health Administration
ACGIH:	American Conference of Governmental Industrial Hygienists	TLV:	Threshold Limit Value
EINECS:	European Inventory of Existing Commercial Chemical Substances	PEL:	Permissible Exposure Limit
ELINCS:	European List of Notified Chemical Substances	REL:	Recommended Exposure Limit
CAS:	Chemical Abstracts Service (division of the American Chemical Society)	Flam. Liq. 2:	Flammable liquids - Category 2
NFPA:	National Fire Protection Association (USA)	Acute Tox. 4:	Acute toxicity - Category 4
HMIS:	Hazardous Materials Identification System (USA)	Eye Irrit. 2B:	Serious eye damage/eye irritation - Category 2B
VOC:	Volatile Organic Compounds (USA, EU)	STOT SE 3:	Specific target organ toxicity (single exposure) - Category 3
LC50:	Lethal concentration, 50 percent	Aquatic Chronic 3:	Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

* Data Compared to the Previous Version Altered.