

# Safety Data Sheet: DYNASOLVE

Supersedes Date 08/29/2014

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** DYNASOLVE  
**Recommended use** Cleaning agent  
**Information on Manufacturer**  
Partsmaster, Div of NCH Corp.  
P.O. Box 655326  
Dallas, TX 75265-5326

**Product Code** PMC60022  
**Chemical nature** Petroleum distillates  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
800-336-0450

## 2. HAZARD IDENTIFICATION

**Color** Colorless

**Physical State** Liquid

**Odor** Citrus

### GHS

#### Classification

##### Physical Hazards

Flammable liquids

Category 4

##### Health Hazard

Aspiration Toxicity

Category 1

Skin Corrosion/Irritation

Category 2

Serious Eye Damage/Eye Irritation

Category 2B

Skin Sensitization

Category 1

Specific target organ systemic toxicity (single exposure)

Category 3

Specific target organ systemic toxicity (repeated exposure)

Category 2

##### Other hazards

None

### Labeling

#### Signal Word

**WARNING**



#### Hazard Statements

H227 - Combustible liquid

H320 - Causes eye irritation

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H373 - May cause damage to organs through prolonged or repeated exposure

H304 - May be fatal if swallowed and enters airways

H336 - May cause drowsiness or dizziness

#### Precautionary Statements

P210 - Keep away from heat, sparks, open flames or hot surfaces.

P260 - Do not breathe vapor or mist.

P271 - Use in a well-ventilated area.

P280 - Wear protective gloves, protective clothing and eye protection.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace

P301+ P310 - IF SWALLOWED: Immediately call a physician

P331 - DO NOT induce vomiting

P302+ P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P313 - If skin irritation or rash occurs, get medical attention

P362 - Take off contaminated clothing and wash before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical attention.

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a physician if unwell.

P403 + P235 - Store in a well-ventilated place. Keep cool

P233 - Keep container tightly closed

P405 - Store locked up

P370 + P378 - In case of fire: use water, alcohol foam, dry chemical or carbon dioxide for extinction

P501 - Dispose of contents and container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Petroleum distillates, hydrotreated light	64742-47-8	69.98342
D-Limonene	5989-27-5	30.00151

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4. FIRST AID MEASURES

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. Do not breathe dust/fume/gas/mist/vapors/spray . Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin Contact</b>	Consult a physician if necessary. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. Consult a physician. Have the person blow their nose to remove the substance from nasal passages and keep from inhaling further . Remove from the area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Notes to physician</b>	May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	142 °F / 61 °C	<b>Method</b>	Seta closed cup
<b>Flammability Limits in Air %:</b>	Solvent mixture.	<b>Upper</b>	7.0
<b>Lower</b>		<b>Lower</b>	0.6
<b>Suitable Extinguishing Media</b>			
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment			
<b>Unsuitable Extinguishing Media</b>			
Do not use a solid water stream as it may scatter and spread fire.			
<b>Specific hazards arising from the chemical</b>			
Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. .			
Flammable.			
<b>Protective Equipment and Precautions for Firefighters</b>			
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear			
<b>NFPA</b>	<b>Health</b> 2	<b>Flammability</b> 2	<b>Instability</b> 0
<b>HMIS</b>	<b>Health</b> 2	<b>Flammability</b> 2	<b>Instability</b> 0

6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
<b>Environmental Precautions</b>	Prevent product from contaminating soil or from entering sewage, drainage systems, and bodies of water . Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for Containment</b>	No information available
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
<b>Neutralizing Agent</b>	Not applicable.

7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product.			
<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.			
<b>Storage Temperature</b>	<b>Minimum</b>	35 °F / 2 °C	<b>Maximum</b>	120 °F / 49 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines** \*\*\*

Component	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated light	525 mg/m <sup>3</sup> TWA	No data available	No data available

**Engineering Measures**

Local ventilation is recommended to control exposure from operations that can generate excessive levels of mists. Local ventilation is preferred, because it prevents dispersion into work areas by controlling it at its source.

**Personal Protective Equipment**

**Eye/Face Protection**

Chemical goggles should be worn when handling .

**Skin Protection**

Wear gloves with appropriate chemical resistance.

**Respiratory Protection**

In case of insufficient ventilation wear suitable respiratory equipment.

**General Hygiene Considerations**

When using, do not eat, drink, or smoke. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Liquid	<b>Viscosity</b>	Non viscous
<b>Color</b>	Colorless	<b>Odor</b>	Citrus
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Transparent
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	.82
<b>Evaporation Rate</b>	<1	<b>Percent Volatile (Volume)</b>	No information available
<b>VOC Content (%)</b>	100	<b>Vapor Pressure</b>	.51 mmHg @ 70°F
<b>Vapor Density</b>	>1 (Air = 1.0)	<b>Solubility</b>	Immiscible
<b>n-Octanol/Water Partition</b>	No data available	<b>Melting Point/Range</b>	No information available
<b>Decomposition Temperature</b>	No data available	Decomposition temperature °F	500
Decomposition temperature °C	260	<b>Boiling Point/Range</b>	424 °F / 218 °C
<b>Flammability (solid, gas)</b>	No data available	<b>Method</b>	Seta closed cup
<b>Flash Point</b>	142 °F / 61 °C		
<b>Autoignition Temperature</b>	No information available. 500 °F / 260 °C		
<b>Flammability Limits in Air %:</b>	Solvent mixture.	<b>Upper 7.0 Lower 0.6</b>	

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under normal conditions
<b>Conditions to Avoid</b>	None known
<b>Incompatible Products</b>	No materials to be especially mentioned No data available 260 °C
<b>Hazardous Decomposition Products</b>	Carbon dioxide (CO2)
<b>Possibility of Hazardous Reactions</b>	Strong oxidizing agents

**11. TOXICOLOGICAL INFORMATION**

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<b>Oral LD50</b>	2500
<b>Dermal LD50</b>	2857
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available

**Principle Route of Exposure**

Inhalation, Skin contact, Eye contact.

**Primary Routes of Entry**

None known

**Acute Effects**

**Eyes**

Contact with eyes may cause irritation.

**Skin**

May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

**Inhalation**

May cause irritation of respiratory tract. May cause drowsiness and dizziness.

**Ingestion**

Ingestion and subsequent vomiting of this product can lead to aspiration of the product into the lungs which can cause damage and may be fatal.

**Chronic Toxicity**

Repeated contact may cause allergic reactions in very susceptible persons. Prolonged exposure may cause chronic effects.

**Target Organ Effects**

Central Nervous System, Immune system, Lungs, Liver, Kidney.

**Aggravated Medical Conditions**

Allergies, Skin disorders, Respiratory system.

Component Information

**Acute Toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Petroleum distillates, hydrotreated light	> 5000 mg/kg ( Rat )***	> 2000 mg/kg ( Rabbit )***	no data available	no data available	no data available
D-Limonene	= 4400 mg/kg ( Rat ) = 5300 mg/kg ( Rat )***	> 5 g/kg ( Rabbit )***	no data available	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Petroleum distillates, hydrotreated light	no data available	no data available	no data available	no data available	Respiratory system, CNS, Liver, Kidney
D-Limonene	no data available	Skin sensitization, Respiratory sensitization	no data available	no data available	CNS, immune system, lungs, liver, kidneys, respiratory system

**Carcinogenicity** There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
D-Limonene	not applicable	Group 3***	not applicable	not applicable	not applicable

### 12. ECOLOGICAL INFORMATION

Product Information No information available.

**Persistence and Degradability** No information available

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Petroleum distillates, hydrotreated light	no data available	LC50 = 2.2 mg/L <i>Lepomis macrochirus</i> 96 h LC50 = 2.4 mg/L <i>Oncorhynchus mykiss</i> 96 h LC50 = 45 mg/L <i>Pimephales promelas</i> 96 h ***	no data available	4720: 96 h <i>Dendroreides heteropoda</i> mg/L LC50 ***	N/A
D-Limonene	no data available	LC50 0.619 - 0.796 mg/L <i>Pimephales promelas</i> 96 h LC50 = 35 mg/L <i>Oncorhynchus mykiss</i> 96 h ***	no data available	no data available	N/A

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

**Mobility** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Product Disposal** Dispose of in accordance with local regulations.

**Container Disposal** Empty containers should be taken for local recycling, recovery, or waste disposal

### 14. TRANSPORT INFORMATION

DOT

**Proper Shipping Name** >119 GALS : COMBUSTIBLE LIQUID, N.O.S. <119 GALS: NOT REGULATED  
**Hazard Class** 3  
**UN-No** NA1993  
**Packing Group** III  
**Description** NA1993, COMBUSTIBLE LIQUID, N.O.S.,(ALIPHATIC PETROLEUM DISTILLATES, D'LIMONENE), 3, PG III

TDG

**Proper shipping name** >119 GALS : COMBUSTIBLE LIQUID, N.O.S. <119 GALS: NOT REGULATED  
**Hazard Class** 3  
**UN-No** NA1993  
**Packing Group** III  
**Description** NA1993, COMBUSTIBLE LIQUID, N.O.S.,(ALIPHATIC PETROLEUM DISTILLATES, D'LIMONENE), 3, PG III

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA Complies

DSL Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	Yes	No

CERCLA

U.S. State Regulations

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

16. OTHER INFORMATION

Prepared By Christopher Drogin

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Reason for Revision No information available.

Glossary No information available.

List of References. No information available.

Partsmaster, Div of NCH Corp. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.