

CarboSolv D



Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations and the Canadian Workplace Hazardous Materials Information System (WHMIS).
Revision Date: 03/01/2019 Date of Issue: 03/01/2019 Supersedes SDS Date: 1st Issue Version 1.0
Revision Impetus: 1st issue of product SDS in new format.

SECTION 1: IDENTIFICATION

Product Identifier

Product Name: CarboSolv D

Synonyms: Dibasic esters

Intended Use of the Product

Cleaning agent

Name, Address, and Telephone of the Responsible Party

USA:

Minova USA Inc.
150 Summer Court
Georgetown, KY 40324
T 502-863-6800

For SDS Requests:

Call 1-855-255-7422 or email sds.na@orica.com

www.minovaglobal.com

Emergency Telephone Number

Emergency number : For chemical emergencies (24 hour) involving transportation, spill, leak, release, fire or accidents **IN THE U.S.**
or **CANADA CALL: CHEMTREC 1-800-424-9300, Minova CCN 14730.**

Canada:

Minova
576 Arvin Avenue
Stoney Creek, ON - Canada L8E 5P1
T 905-643-1166

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Skin Irrit. 2 H315

Eye Irrit. 2B H320

STOT SE 3 H335

STOT SE 3 H336

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :



Signal Word (GHS-US) :

Danger

Hazard Statements (GHS-US) :

H315 - Causes skin irritation
H320 - Causes eye irritation
H335 - May cause respiratory irritation
H336 – May cause drowsiness or dizziness

Precautionary Statements (GHS-US) :

P261 – Avoid breathing mist/vapors/spray.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P284 – In case of inadequate ventilation wear respiratory protection.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/soap/shower.
P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P342+P311 – If experiencing respiratory symptoms: Call a POISON/CENTER/doctor.
P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

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Classification System : NFPA ratings (scale 0-4)

- Classification system:
- NFPA ratings (scale 0 - 4)



Other Hazards None

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Dimethyl glutarate	(CAS No) 1119-40-0	55 – 65	Refer to Section 2. for product.
Dimethyl succinate	(CAS No) 106-65-0	15-25	Refer to Section 2. for product.
Dimethyl adipate	(CAS No) 627-93-0	10-25	Refer to Section 2. for product.

A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition. Full text of H-phrases: see section 16.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: When symptoms occur: Go into open air and ventilate suspected area. Keep at rest and in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing. Rinse affected area with water for several minutes. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a doctor/physician.

Ingestion: Rinse mouth. Do NOT induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head positioned between legs to avoid breathing in of vomit, rinse mouth and have victim drink plenty of water. Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects Both Acute and Delayed

General: Irritation to skin, eyes, and respiratory system.

Inhalation: May cause respiratory irritation.

Skin Contact: Causes skin irritation.

Eye Contact: Causes eye irritation.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but will burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Not reactive, but avoid exposure to oxidizers, high heat and open flames.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Firefighters should wear full protective gear.

Hazardous Combustion Products: As in all fires toxic and noxious fumes.

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Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes on skin or breath in vapors.

For Non-Emergency Personnel

Protective Equipment: Use appropriate Personal Protection Equipment (PPE).

Emergency Procedures: Evacuate danger area.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: In the event of a spill or leak of material eliminate ignition sources and ventilate area. Dike and absorb material with inert material and scoop up material. As with all spills, minimize material entering water systems.

Environmental Precautions

Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: Place in suitable container.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid spills and leaks. Never add material to this product unless instructed by Minova.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool place. Store away from direct sunlight or other heat sources which can reduce products usability and shelf-life.

Incompatible Materials: Oxidizers, high heat and open flame.

Specific End Use(s) Cleaning agent.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Safety glasses or chemical goggles as appropriate to prevent eye contact. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Safety glasses or chemical goggles as appropriate to prevent eye contact.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator whenever exposure may exceed established Occupational Exposure Limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State : Liquid

Appearance : Clear

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Odor	: Sweet
Odor Threshold	: Not available
pH	: Not applicable
Relative Evaporation Rate (butyl acetate=1)	: 0.076
Melting/Freezing Point	: Not available
Boiling Point	: > 204 °C (400 °F)
Flash Point	: 100 °C (212 °F)
Auto-ignition Temperature	: 398 °C (750 °F)
Decomposition Temperature	: Not available
Flammability (liquid)	: Class III - B
Lower Flammable Limit	: 1.0%
Upper Flammable Limit	: 8.0%
Vapor Pressure (mm of Hg @20°C)	: 0.45
Relative Vapor Density at 20 °C (air =1)	: 5.5
Relative Density/Specific Gravity (water = 1)	: 1.09 (9.1 lbs/gallon)
Solubility	: Negligible
Partition coefficient: n-octanol/water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not applicable
Explosion Data – Sensitivity to Static Discharge	: Not applicable

SECTION 10: STABILITY AND REACTIVITY

- Reactivity:** Not reactive, but avoid exposure to oxidizers, high heat and open flames.
Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions: Strong oxidizers.
Conditions to Avoid: Isolate from oxidizers, high heat and open flame.
Incompatible Materials: Oxidizers, high heat and open flame.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide from burning.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

- Acute Toxicity:** Not toxic based on mixture ingredients
LD50 and LC50 Data: Not toxic based on mixture ingredients
Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Causes eye irritation.
Respiratory or Skin Sensitization: May cause respiratory irritation.
Germ Cell Mutagenicity: Not classified
Teratogenicity: No based on mixture ingredients
Carcinogenicity: No based on mixture ingredients
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: No based on mixture ingredients
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Irritation to the respiratory tract.
Symptoms/Injuries After Skin Contact: Causes skin irritation.
Symptoms/Injuries After Eye Contact: Causes eye irritation.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms: Prolonged or repeated contact on the skin can lead to dermatitis.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Dimethyl adipate (627-93-0)	
LD50 Oral Rat	1920 mg/kg

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SECTION 12: ECOLOGICAL INFORMATION

Toxicity

May be harmful to plant and animal life if released into the environment.

Persistence and Degradability Biodegradable.

Bioaccumulative Potential Does not accumulate or biomagnify in the environment.

Mobility in Soil Mobile.

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT Not regulated for transport

14.2 In Accordance with IMDG Not regulated for transport

14.3 In Accordance with IATA Not regulated for transport

14.4 In Accordance with TDG Not regulated for transport

National Motor Freight Classification

NMFC Name: Plastic Liquid, NOI **NMFC Number:** 156240 **Class:** 60

Tariff Classification Number: 2919.00.5050

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

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SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

Dimethyl Glutarate (1119-40-0), Dimethyl Succinate (106-65-0), Dimethyl Adipate (627-93-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

Dimethyl adipate (627-93-0)

U.S. - Texas - Effects Screening Levels - Long Term and Short Term

Canadian Regulations

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WHMIS Classification Class D Division 2 Subdivision B – Toxic material causing other toxic effects



Dimethyl Glutarate (1119-40-0), Dimethyl Succinate (106-65-0), Dimethyl Adipate (627-93-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 03/01/2019

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and the Hazardous Products Regulations (WHMIS 2015).

GHS Full Text Phrases: Based on individual ingredients. Refer to Section 2: Hazardous identification for the Substance or Mixture.

Eye Irrit. 2B	Eye irritation Category 2B
Skin Irrit. 2	Skin irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3

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H315	Causes skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

Party Responsible for the Preparation of This Document

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