

CD-1G, CD-5G, CD-55G

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: CD-1G, CD-5G, CD-55G
Common Name: Degreaser cleaner
SDS Number: 01
Product Code: 108716
Revision Date: 3/31/2023
Version: 1
Chemical Family: Aqueous degreaser
Product Use: Use as received at ambient temperature. Hand wipe, mop or dip.

Instructions: NOTE: The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. Chemical Solvents Inc provides this information as guidance for providing personal protection to your employees. The user has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. The user must meet all applicable safety and health standards.

Supplier Details: PLASTIC PROCESS EQUIPMENT, INC.
 8303 Corporate Park Drive Macedonia,
 OH 44056 USA

Phone: 800-362-0706
Web: WWW.PPE.COM
Emergency: CHEMTREC 800-424-9300

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
 Health, Serious Eye Damage/Eye Irritation, 2 B

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:

No GHS pictograms indicated for this product

GHS Hazard Statements:

H320 - Causes eye irritation

GHS Precautionary Statements:

P264 - Wash skin thoroughly after handling.

P280 - Wear protective gloves/ eye protection/ face protection.

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 advice/ attention.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
7732-18-5	>90%	Water
497-19-8	<1.5%	Carbonic Acid, Disodium Salt
5817-08	<0.2%	Glutamic Acid, NN Diacetic acid, Tetrasodium Salt
68439-46-3	<1.5%	C9-C11 Alcohol Ethoxylate
61791-10-4	<1.5%	Quaternary Cocoalkylamine Ethoxylate
56-81-5	<0.5%	Glycerin
Mixture	<0.25%	Carboxylic acids, Di C9-C12
929-06-6	<0.5%	2-(2-aminoethoxy)ethanol

CD-1G, CD-5G, CD-55G

4 FIRST AID MEASURES

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

5 FIRE FIGHTING MEASURES

Flash Point: >212 F

Flash Point Method: Closed cup

Specific hazards arising from the chemical: None in particular. Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

Special Fire and Explosion Hazard (Combustible Dust): No Information

6 ACCIDENTAL RELEASE MEASURES

Personal precautions :Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Wash thoroughly after handling. Use personal protective equipment as required.

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7 HANDLING AND STORAGE

Handling Precautions: Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required.

Storage Requirements: Conditions for safe storage, including any incompatibilities
Storage Conditions Store locked up. Keep from freezing.
Incompatible materials Strong oxidizing agents, Caustics

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve crossventilation.

Personal Protective Equipment: RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

CD-1G, CD-5G, CD-55G

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

Water cas#:(7732-18-5)

No established limits

Carbonic acid disodium salt cas#:(497-19-8)

2 mg/m3 ACGIH 2 mg/m3 OSHA

Glutamic acid, N,N-diacetic acid, tetrasodium salt,

No established limits

Glycerin CAS#: 56-81-5

TWA 5 mg/m3 2011-07-01 OSHA Z-1 mist, respirable fraction

TWA 15 mg/m3 2011-07-01 OSHA Z-1 mist, total dust

TWA 10 mg/m3 1989-01-19 OSHA P0 Mist - total dust

TWA 5 mg/m3 1989-01-19 OSHA P0 Mist - respirable fraction

Carboxylic Acids, di- c9-c12

No established limits

2-(2-aminoethoxy)ethanol CAS#: 929-06-6

No established limits

C9-C11 Alcohol Ethoxylate CAS#: 68439-46-3

No established limits

Quaternary cocoalkylamine ethoxylate CAS#: 61791-10-4

No established limits

9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, Liquid
Physical State:	Liquid
Odor:	mild soap
Odor Threshold:	N/A
Solubility:	COMPLETE IN WATER
Spec Grav./Density:	1.016
Viscosity:	N/A
Boiling Point:	212 F
Freezing/Melting Pt.:	32 F
Flash Point:	>212 F
Octanol:	N/A
Vapor Pressure:	N/A
Vapor Density:	>1 (AIR=1)
pH:	9-11
Evap. Rate:	< 1 (N-butyl acetate=1)
Auto-Ignition Temp:	N/A

CD-1G, CD-5G, CD-55G

Decomp Temp: N/A
UFL/LFL: N/A

10

STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions
Chemical Stability: Stable under recommended storage conditions
Conditions to Avoid: Excessive heat. Keep from freezing.
Materials to Avoid: Incompatible with strong oxidizing agents, strong acids and strong alkalis.
Hazardous Decomposition: When heated to decomposition, it emits acrid smoke and irritating fumes.
Hazardous Polymerization: Will not occur.

11

TOXICOLOGICAL INFORMATION

Water cas#:(7732-18-5) [>80%]

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Carbonic acid disodium salt cas#:(497-19-8) [<1.5%]

Acute toxicity:

LD50 Oral - rat - 4,090 mg/kg

LC50 Inhalation - rat - 2 h - 5,750 mg/l

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: Eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information: burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting

CD-1G, CD-5G, CD-55G

Glutamic acid, N,N-diacetic acid, tetrasodium salt,

Acute toxicity : Not classified based on available information. Skin corrosion/irritation : Not classified based on available information. Serious eye damage/eye irritation : Not classified based on available information. Respiratory or skin sensitization : Respiratory sensitization: Not classified based on available information. Skin sensitization: Not classified based on available information. Germ cell mutagenicity : Not classified based on available information. Carcinogenicity : Not classified based on available information. Reproductive toxicity : Not classified based on available information. STOT-single exposure : Not classified based on available information. STOT-repeated exposure : Not classified based on available information. Aspiration hazard : Not classified based on available information.

Component: C9-11 Alcohol ethoxylate

Acute oral toxicity : LD50: > 2,000 mg/kg

Species: Rat

Read-across (Analogy)

Skin irritation : Result: No skin irritation

Read-across (Analogy)

Eye irritation : Result: Mild eye irritation

Read-across (Analogy)

Sensitization : Maximization Test

Species: Guinea pig

Result: negative

Method: OECD Test Guideline 406

Component: Quaternary coco alkylamine ethoxylate

Acute oral toxicity : LD50: > 2,000 mg/kg

Species: Rat

Method: OECD Test Guideline 401

Eye irritation : Result: Risk of serious damage to eyes.

Component: Glycerin

Acute oral toxicity : LD50: 12,600 mg/kg

Species: Rat

Acute dermal toxicity : LD50: > 10,000 mg/kg

Species: Rabbit

Skin irritation : Result: No skin irritation

Eye irritation : Result: No eye irritation

Carboxylic Acids, di-

dodecanedioic acid LD50 Dermal Rat >6000 mg/kg -

azelaic acid LD50 Oral Rat >5 g/kg -

dodecanedioic acid Skin - Edema Rabbit 0 4 hours 6 days

Eyes - Redness of the conjunctivae

Rabbit 2.5 72 hours 13 days

azelaic acid Eyes - Irritant Rabbit - 3 milligrams -

Skin - Irritant Rabbit - 24 hours 500 milligrams -

undecanedioic acid Eyes - Edema of the conjunctivae

Rabbit 2 - -

Skin - Edema Rabbit 0 - -

General : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

2-(2-aminoethoxy)ethanol CAS#: 929-06-6

Inhalation: Not expected to be harmful.

Skin Contact: Corrosive, may cause damage to skin with prolonged contact.

Eye Contact: Risk of serious and irreversible damage to eyes.

Ingestion: Not expected to be harmful.

Numerical Measures of Acute Toxicity:

CD-1G, CD-5G, CD-55G

Route: Test: Subject: Value: Time: Oral LD 50 Rat 3,400 mg/kg Dermal LD 50 Rabbit > 3,000 mg/kg **Aspiration Hazard:** No aspiration hazard expected.

Carcinogenicity: This product is not classified as a carcinogen by IARC or U.S. ACGIH, NTP or OSHA.

Germ cell mutagenicity: Did not show mutagenic effects in animal experiments.

Reproductive toxicity: Not classified based on available information.

Sensitization: Not classified based on available information.

12

ECOLOGICAL INFORMATION**Water cas#:(7732-18-5) [>90%]**

Toxicity: no data available

Persistence and degradability: not applicable

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Carbonic acid disodium salt cas#:(497-19-8) [<1.5%]

Toxicity:

Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 300 mg/l - 96 h.

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 265 mg/l - 48 h.

other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13

DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all 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. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Recycler. Reclaimer.

14

TRANSPORT INFORMATION

Compounds, Cleaning Liquid, Not Regulated by D.O.T., PGIII

15

REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[>90%] Water (7732-18-5) TSCA

[<1.5%] Carbonic acid disodium salt (497-19-8) TSCA

[<0.2%] Glutamic acid, N,N-diacetic acid, tetrasodium salt, TSCA

[<1.5%] Alcohols, C9-11, ethoxylated (68439-46-3) TSCA

[<1.5%] Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides (61791-10-4) TSCA

[<0.5%] Glycerine (56-81-5) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

CD-1G, CD-5G, CD-55G

[<0.25%] Carboxylic acids, di-, C9-11, TSCA

[<0.5%] 2-(2-Aminoethoxy) ethanol (929-06-6) MASS, TSCA, TXAIR

California Prop. 65 : This product contains a chemical that is at or below California Propositions 65's "safe harbor level" as determined via a risk assessment. Therefore, the chemical is not required to be listed as a Prop 65 chemical on the SDS or label.

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

TSCA = Toxic Substances Control Act

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

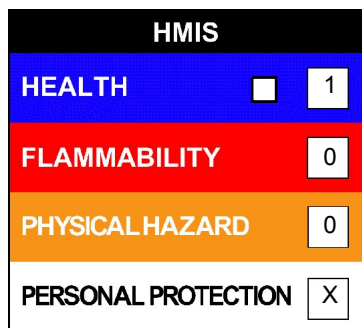
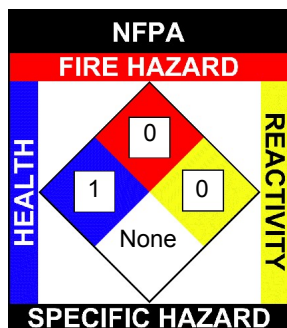
16

OTHER INFORMATION

NFPA: Health = 1, Fire = 0, Reactivity = 0, Specific Hazard = None

HMIS III: Health = 1, Fire = 0, Physical Hazard = 0

HMIS PPE: X - Consult your supervisor for special instructions



Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

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