

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200, Canadian
Workplace Hazardous Material Information System (WHMIS 2015), and

Revision date 24-Jan-2023

Revision Number 1

1. Identification

Product identifier

Product Name Arete Chem Graphene Wipe and Shine

Other means of identification

Product Code(s) 1906

INCI name N/A

Recommended use of the chemical and restrictions on use

Recommended use Sealant

Restrictions on use None known

Details of the supplier of the safety data sheet

Manufacturer Address

Colonial Chemical, Inc.
225 Colonial Drive
South Pittsburg, TN 37380
USA

For further information, please contact

E-mail address sds@colonialchem.com

Emergency telephone number

Company Phone Number 1+ (423) 837-8800

24 Hour Emergency Phone Number 1-760-476-3962 ACCESS CODE: 335736 Toll free (in USA, Canada, Puerto Rico, Virgin Islands only): 1-866-519-4752

2. Hazard(s) identification

Classification

Serious eye damage/eye irritation

Category 2A

Emergency Overview

Appearance Liquid

Physical state Liquid

Odor No information available

Label elements

Warning

Hazard statements

Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling. Wear eye and face protection.

Precautionary Statements - Response**Eyes**

IF IN 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 and attention.

Other information

Causes mild skin irritation. Harmful to aquatic life.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Propylene glycol	57-55-6	7 - 13	-	-
2-butoxyethanol	111-76-2	1 - 5	-	-
Docusate sodium	577-11-7	0.5 - 1.5	-	-

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures**Eye contact**

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.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion

Rinse mouth thoroughly with water. If symptoms persist, call a physician. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms None known.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media Dry chemical, CO2 or water spray.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical No information available.

Hazardous combustion products Carbon oxides. Oxides of sulfur. Phosphorus oxides. Nitrogen oxides (NOx).

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Use personal protection equipment. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep from freezing.

8. Exposure controls/personal protection

Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or

level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	
2-butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m³ (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m³	
Chemical name	Alberta	British Columbia	Ontario	Quebec
Propylene glycol 57-55-6			TWA: 10 mg/m³ TWA: 50 ppm TWA: 155 mg/m³	
2-butoxyethanol 111-76-2	TWA: 20 ppm TWA: 97 mg/m³	TWA: 20 ppm	TWA: 20 ppm	TWA: 20 ppm

Appropriate engineering controls

Engineering controls Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Liquid
Appearance Liquid
Color black
Odor No information available
Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5.0 - 7.0	
pH (as aqueous solution)	No data available	
Melting point / freezing point	- 3 °C / °F	
Boiling point / boiling range	No data available	
Flash point	> 94 °C / 201.2 °F	
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	

Vapor pressure	Not applicable
Vapor density	No data available
Relative density	0.998
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Other information

Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available
Surface tension	No information available

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	Carbon monoxide. Carbon dioxide (CO ₂). Hydrocarbons.

11. Toxicological information**Information on likely routes of exposure****Product Information**

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Irritating to eyes.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Redness. May cause redness and tearing of the eyes.
----------	---

Acute toxicity**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	35,787.80 mg/kg
ATEmix (dermal)	53,416.80 mg/kg
ATEmix (inhalation-gas)	3,000,095.60

ATEmix (inhalation-dust/mist) 124.000 mg/l
 ATEmix (inhalation-vapor) 87.00 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene glycol 57-55-6	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
2-butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 435 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h = 486 ppm (Rat) 4 h
Docusate sodium 577-11-7	= 3080 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
2-butoxyethanol 111-76-2	A3	Group 3	-	-

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard Not applicable.

12. Ecological information

Ecotoxicity Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Propylene glycol 57-55-6	EC50: =19000mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =51600mg/L (96h, Oncorhynchus mykiss) LC50: 41 - 47mg/L (96h, Oncorhynchus mykiss) LC50: =51400mg/L (96h, Pimephales promelas) LC50: =710mg/L (96h, Pimephales promelas)	-	EC50: >1000mg/L (48h, Daphnia magna)
2-butoxyethanol 111-76-2	-	LC50: =1490mg/L (96h, Lepomis macrochirus) LC50: =2950mg/L (96h, Lepomis macrochirus)	-	EC50: >1000mg/L (48h, Daphnia magna)
Docusate sodium 577-11-7	-	LC50: 20 - 40mg/L (96h, Oncorhynchus mykiss) LC50: <24mg/L (96h,	-	EC50: =36mg/L (48h, Daphnia magna)

		Oncorhynchus mykiss) LC50: =37mg/L (96h, Lepomis macrochirus)		
--	--	---	--	--

Persistence and degradability There is no data for this product.

Bioaccumulation There is no data for this product.

Bioconcentration factor (BCF) There is no data for this product

Component Information

Chemical name	Partition coefficient
Propylene glycol 57-55-6	-1.07
2-butoxyethanol 111-76-2	0.81

Mobility in soil There is no data for this product.

Other adverse effects No information available.

13. Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT Not regulated

MEX Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

All of the components in the product are on the following Inventory lists

TSCA Listed.

TSCA Section 5 and 12(b)

This material contains one or more substances which are subject to a TSCA Section 5 Consent Order or Significant New Use Rule (SNUR).
2-methyl-2H-isothiazol-3-one
CAS Number: 2682-20-4

DSL/NDSL Listed on NDSL.
International Inventories Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US 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 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
ethylene oxide - 75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Propylene glycol 57-55-6	X	-	X
2-butoxyethanol 111-76-2	X	X	X
2-(2-aminoethylamino)ethanol 111-41-1	X	X	X
Graphite 7782-42-5	X	X	X

1-Hexanol, 2-ethyl- 104-76-7	-	X	X
---------------------------------	---	---	---

U.S. EPA Label Information

EPA Statement Not applicable.

16. Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend SECTION 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

Prepared By Regulatory Affairs Department.

Revision date 24-Jan-2023

Revision Note No information available.

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.

End of Safety Data Sheet

GHS Purple Book version information - GHS

UL release date: 11 January 2022

ADG**ADN****ADR**

Limited quantity (LQ) No information available

EN

NGHS

ANTT

<u>China</u>	Not regulated
Mode of Transportation(Road, Water, Air, Rail)	Road transport

DOT

Quantity Limit for Passenger Air/Rail	No information available
Cargo Aircraft only	No information available
Packaging Exceptions	No information available
Non-bulk Packaging	No information available
Bulk packaging	No information available
Vessel Stowage Location Code	No information available
Vessel Stowage Special Codes	No information available
Emergency Response Guide Number	No information available

DOT Waste**DOT Base****IATA**

Limited quantity (LQ)	No information available
Maximum Quantity for Passenger	No information available
Maximum Quantity for Cargo Only	No information available

IATA Base**ICAO (air)**

Quantity Limit for Passenger Air	No information available
Cargo Aircraft only	No information available

IMDG

Limited quantity (LQ)	No information available
-----------------------	--------------------------

Japan

Mode of Transportation(Road, Water, Air, Rail)	Water transport
--	-----------------

MEX**RID**

Limited quantity (LQ)	No information available
-----------------------	--------------------------

TDG**TDG Base****Note:**

Valve	No data available
Low Pressure Valve	No data available