



american gas & chemical co. ltd.
 220 PEGASUS AVE
 NORTHVALE, NEW JERSEY 07647
 201-767-7300, FAX 201-767-1741

Safety Data Sheet

Issue Date: 19-Feb-2004

Revision Date: 21-Apr-2022

Version 1

1. IDENTIFICATION

Product Identifier

Product Name AG-DD Penetrant Dry Developer

Other means of identification

SDS # AGC-245

Product Code AG-DD

UN/ID No None

Other Information Package type: 15 & 30 Gallon Fiber Drums

Recommended use of the chemical and restrictions on use

Recommended Use Penetrant Developer for Leak Detection

Details of the supplier of the safety data sheet

Manufacturer Address AMERICAN GAS & CHEMICAL COMPANY, LTD
 220 Pegasus Avenue
 Northvale NJ 07647

Emergency Telephone Number

Company Phone Number Phone: 201-767-7300 Fax: 201-767-1741

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance White Powder

Physical State Powder

Odor Odorless

Classification

Product is classified as an Irritant.

Under normal conditions of use, this product is not expected to create any unusual hazard. This product is not flammable, not reactive, not explosive has no flash point, and poses no special hazards in the presence of fire.

Signal Word

Warning

Hazard Statements

May be an irritant to mucous membranes and respiratory system.

Harmful by ingestion, inhalation or skin absorption.

Causes eye irritation

Causes skin irritation

Harmful if inhaled



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

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/attention.

IF ON SKIN (or hair): Rinse skin with water/shower

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC)

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Talc	14807-96-6	90
3,6-Dimethyl-4-octyn-3,6-diol	78-66-0	10

4. FIRST-AID MEASURES

First Aid Measures

General Advice

Provide this SDS to medical personnel for treatment.

Eye Contact

Acute: If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. May cause mechanical irritation of the eyes. If irritation persists, call physician.
Chronic: Repeated exposure may cause conjunctive inflammation.

Skin contact

Acute: Direct contact may cause dryness or mild irritation if an allergic predisposition exists.
Chronic: Prolonged contact may cause dryness of skin or mild irritation if an allergic predisposition exists.

Ingestion

Acute: Do not induce vomiting.
Chronic: Repeated ingestion in large doses of talc for 10 & 13 consecutive days by mice and rabbits revealed negative teratogenic and carcinogenic results.

Inhalation

Acute: Exposure to a large concentration of air-borne dust of this material may cause mechanical irritation of the mucous membranes and respiratory tract.
Chronic: Repeated and prolonged exposure to large amount of talc dust might induce a mild pneumoconiosis. This is caused by lung overload exposure, a non specific particle effect, rather than a specific intrinsic fibrogenic activity of talc.

Most important symptoms and effects

Symptoms

High concentrations are irritating to the respiratory tract, may cause headaches and dizziness. Prolonged or repeated skin contact tends to remove skin oils possibly leading to irritation and dermatitis. Contact may cause eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

All extinguishing media can be used.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

This product is not flammable, combustible or explosive. May emit hazardous fumes under fire condition.

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. Cool exposed containers with water spray. Avoid breathing vapor or fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Avoid airborne dust generation. If the generation of dust is likely, personal protective equipment should be worn in compliance with national legislation.

For Emergency Responders

Follow applicable OSHA regulations (29 CFR 1910.120).

Environmental Precautions

Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

Methods and material for containment and cleaning up

Methods for Containment

Dry product should be cleaned with a shovel or a vacuum cleaner while wearing personal protective equipment in compliance with national legislation. Observe all applicable federal, state and local regulations when handling, storing or disposing of this substance.

Methods for Clean-Up

Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep containers closed and plainly labeled when not in use.

Incompatible Materials

None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Talc 14807-96-6	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	(vacated) TWA: 2 mg/m ³ respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more, use Quartz limit	IDLH: 1000 mg/m ³ TWA: 2 mg/m ³ containing no Asbestos and <1% Quartz respirable dust
3,6-Dimethyl-4-octyn-3,6-diol 78-66-0	Not Available	Not Available	Not Available

Appropriate engineering controls

Engineering Controls

Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. Wear appropriate protective eyeglass or chemical safety goggles.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Use safety goggles or face shield with side shields in circumstances where there is a risk of dust generation which could lead to mechanical irritation of the eyes. Make sure that there is an eyewash facility in your vicinity.

Skin and Body Protection

Wear impervious gloves and protective clothing.

Respiratory Protection

In case of overexposure to airborne dust concentrations, wear respiratory protective equipment that complies with the requirements of national legislation.

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	Powder	Odor	Odorless
Appearance	White Powder	Odor Threshold	Not determined
Color	White	Remarks • Method	
Property	Values		
pH	9-9.5 (10% slurry in water)		
Melting Point/Freezing Point	>1300°C		
Boiling Point/Boiling Range	None		
Flash Point	None		
Evaporation Rate	None	(Water = 1)	
Flammability (Solid, Gas)	None		
Explosivity	Not explosive		
Vapor Pressure	None	@68°F (20°C)	
Vapor Density	>1.0	(Air=1)	
Specific Gravity	2.8		
Water Solubility	<1mg/ml @ 21°C (RAD)		
Solubility in other solvents			
Ethanol	<1mg/ml @ 21°C (RAD)		
Acetone	<1mg/ml @ 21°C (RAD)		
Cold Acids	Insoluble		
Alkalies	Insoluble		
Decomposition Temperature	1652°-1832°F (900°-1000°C)		

10. STABILITY AND REACTIVITY

Reactivity

Inert - Not reactive.

Chemical Stability

Stable under normal temperatures and pressures.

Conditions to Avoid

None.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

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

NIOSH registry number: WW2710000

SAX toxicity evaluation: THR: Not available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Talc 14807-96-6		Group 3		

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

IARC: In 2006, IARC concluded that inhaled talc not containing asbestos or asbestiform fibers is not classified as a human carcinogen (Group 3).

In 2006, IARC ruled that there is limited evidence that the use of talc-based body powder for perineal dusting is a possible risk factor for ovarian cancer (Group 2B). This is not a route of exposure relevant to workers and applies only to one specific use of talc.

OSHA: Not listed

ACGIH: A4-not classified as a human carcinogen

WHMIS: Class D-2A

NTP: Not listed

Tumorigenic Data **TCLo:** ihl-rat 11 mg/m³/1Y-1
TDLo: imp-rat 200 mg/kg

Other Toxicity Data: Skin and eye irritation data: skn-hmn 300 ug/3D-I MLD

Teratogenicity (reproductive effects data): Repeated ingestion of large doses of talc for 10 and 13 successive days by mice and rabbits revealed negative teratogenic and carcinogenic results.

Mutation Data: Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data is available on this product. No specific adverse effects known.

Persistence and Degradability: No data is available on this product. Product is an inorganic substance and therefore is not considered biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations. Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

US Department of Transportation (DOT):	No classification assigned
Canadian Transportation of Dangerous Goods:	No classification assigned
Land Transport – ADR/RID:	No classification assigned
Air Transport – IATA/ICAO:	No classification assigned
Maritime Transport – IMDG:	No classification assigned
Harmonized Tariff Code:	Talc – crushed or powdered. 2526.20.00 (stat suffix 00)
EPA TSCA 12(B) Export Notification:	Not listed

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend:

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

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

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

Other Pertinent Classifications/Regulations:

California PROP 65 Status:	Talc not listed
State Right-To-Know:	Talc listed in IL, MA, NJ, PA, FL
Clean Air Act – Ozone depleting chemicals (ODC):	None
CONEG Approved Packaging:	Yes

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	0	0	0	Not determined
<u>HMS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	0	0	0	B- Safety Glasses, Gloves

European Union:

European Inventory of Existing Chemical Substances (EINECS): No. 201-131-8

Hazard Codes: Xn

Risk Statements: 22-36

Safety Statements: 26-37/39

16. REGULATORY INFORMATION

Issue Date:	19-Feb-2004
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Revision Note:	3-Year Update

Disclaimer

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End of Safety Data Sheet