

**1. Product and Company Identification**

**Material name** GW Atol 6  
**Version #** 2.0  
**Revision date** 02-17-2012  
**CAS #** Mixture  
**Product use** professional use  
**Manufacturer**  
**Company name** menzerna polishing compounds GmbH & Co. KG  
**Division**  
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 Germany  
  
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**2. Hazards Identification**

**Emergency overview** Harmful in contact with eyes. Prolonged exposure may cause chronic effects.  
**OSHA regulatory status** This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).  
**Potential health effects**  
**Routes of exposure** Inhalation. Ingestion. Skin contact. Eye contact.  
**Eyes** Eye contact may result in corneal injury. Contact may irritate or burn eyes. Do not get this material in contact with eyes.  
**Skin** May be harmful if absorbed through skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Do not get this material in contact with skin.  
**Inhalation** Prolonged inhalation may be harmful. Avoid breathing dust/fume/gas/mist/vapors/spray.  
**Ingestion** Components of the product may be absorbed into the body by ingestion. Do not ingest.  
**Target organs** Eyes. Respiratory system. Skin.  
  
 Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.  
  
**Chronic effects** Conjunctiva. May be harmful if absorbed through skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.  
**Signs and symptoms** Corneal damage. Conjunctivitis. Defatting of the skin. Skin irritation. Rash.

**3. Composition / Information on Ingredients**

Components	CAS #	Percent
Quartz, Respirable	14808-60-7	>= 10
Titanium Dioxide	13463-67-7	<= 2

**4. First Aid Measures**

**First aid procedures**  
**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

<b>Skin contact</b>	Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. For minor skin contact, avoid spreading material on unaffected skin. Get medical attention if symptoms occur.
<b>Inhalation</b>	Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention if symptoms occur.
<b>Ingestion</b>	Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention if symptoms occur.
<b>Notes to physician</b>	In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General advice</b>	IF exposed or concerned: Get medical advice/attention. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	Not flammable by OSHA criteria. Not combustible by OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water spray, foam, dry powder or carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use water jet.
<b>Protection of firefighters</b>	
<b>Protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<b>Specific methods</b>	In the event of fire and/or explosion do not breathe fumes. Cool containers exposed to flames with water until well after the fire is out.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them.
<b>Environmental precautions</b>	Avoid release to the environment.
<b>Methods for containment</b>	Prevent entry into waterways, sewer, basements or confined areas.
<b>Methods for cleaning up</b>	Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS.

## 7. Handling and Storage

<b>Handling</b>	Keep formation of airborne dusts to a minimum. Do not get this material in contact with eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Wear personal protective equipment. Avoid prolonged exposure. If enclosed handling cannot be guaranteed, ventilation and protective clothing must be used.
<b>Storage</b>	Keep only in the original container. Store in a well-ventilated place. Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Storage Temperature: Between 15 °C and 25 °C. Keep out of the reach of children.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Quartz, Respirable (14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.
Titanium Dioxide (13463-67-7)	TWA	10 mg/m <sup>3</sup>	

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Titanium Dioxide (13463-67-7)	PEL	15 mg/m <sup>3</sup>	Total dust.

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Quartz, Respirable (14808-60-7)	TWA	0.3 mg/m <sup>3</sup>	Total dust.
		0.1 mg/m <sup>3</sup>	Respirable.
		2.4 mppcf	Respirable.

### Engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal protective equipment

<b>Eye / face protection</b>	Do not get in eyes. Eye wash fountain is recommended. Safety glasses.
<b>Skin protection</b>	Wear appropriate chemical resistant clothing.
<b>Hand protection</b>	Protective gloves.
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>General hygiene considerations</b>	Do not get in eyes. Avoid contact with skin. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Not available.
<b>Physical state</b>	Solid.
<b>Form</b>	Paste.
<b>Color</b>	Beige.
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Boiling point</b>	> 212 °F (> 100 °C)
<b>Melting point/Freezing point</b>	> 104 °F (> 40 °C)
<b>Solubility (water)</b>	insoluble
<b>Specific gravity</b>	Not available.
<b>Relative density</b>	Not available.
<b>Flash point</b>	> 212 °F (> 100 °C)
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Viscosity</b>	> 20.5 mm <sup>2</sup> /s @ 40 °C
<b>Other data</b>	
<b>Density</b>	1.3 g/cm <sup>3</sup>

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological Information

<b>Local effects</b>	Components of the product may be absorbed into the body through the skin. Contact may irritate or burn eyes.	
<b>Chronic effects</b>	Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	
<b>Carcinogenicity</b>	Hazardous by OSHA criteria.	
<b>ACGIH Carcinogens</b>		
Quartz, Respirable (CAS 14808-60-7)		A2 Suspected human carcinogen.
Titanium Dioxide (CAS 13463-67-7)		A4 Not classifiable as a human carcinogen.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Quartz, Respirable (CAS 14808-60-7)		1 Carcinogenic to humans.
Titanium Dioxide (CAS 13463-67-7)		2B Possibly carcinogenic to humans.
<b>US NTP Report on Carcinogens: Known carcinogen</b>		
Quartz, Respirable (CAS 14808-60-7)		Known To Be Human Carcinogen.

## 12. Ecological Information

### Ecotoxicological data

#### Components

#### Test Results

Titanium Dioxide (13463-67-7)

EC50 Water flea (Daphnia magna): > 1000 mg/l 48 hours  
LC50 Mummichog (Fundulus heteroclitus): > 1000 mg/l 96 hours

<b>Ecotoxicity</b>	There are no data on the ecotoxicity of this product.
<b>Persistence and degradability</b>	Not available.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport Information

### DOT

Not regulated as dangerous goods.

## 15. Regulatory Information

<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.  CERCLA/SARA Hazardous Substances - Not applicable.
<b>Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))</b>	Not regulated
<b>DEA Essential Chemical Code Number</b>	Not regulated
<b>Drug Enforcement Administration (DEA). List 1 &amp; 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))</b>	Not regulated
<b>DEA Exempt Chemical Mixtures Code Number</b>	Not regulated

**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
 Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance**  
 No

**Section 311 hazardous chemical**  
 No

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Quartz, Respirable (CAS 14808-60-7)      Listed: October 1, 1988 Carcinogenic.

**US - New Jersey RTK - Substances: Listed substance**

Quartz, Respirable (CAS 14808-60-7)      Listed.

Titanium Dioxide (CAS 13463-67-7)      Listed.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Quartz, Respirable (CAS 14808-60-7)      Listed.

Titanium Dioxide (CAS 13463-67-7)      Listed.

**16. Other Information****Further information**

HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

Health: 1\*  
 Flammability: 1  
 Physical hazard: 0

**NFPA ratings**

Health: 1  
 Flammability: 1  
 Instability: 0

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.

**Issue date**

03-24-2011

**This data sheet contains changes from the previous version in section(s):**

Product and Company Identification: Product and Company Identification  
Fire Fighting Measures: Flammable properties  
Fire Fighting Measures: Unsuitable extinguishing media  
Accidental Release Measures: Methods for containment  
Accidental Release Measures: Methods for cleaning up  
Handling and Storage: Handling  
Handling and Storage: Storage  
Exposure Controls / Personal Protection: Hand protection  
Exposure Controls / Personal Protection: Eye / face protection  
Exposure Controls / Personal Protection: Skin protection  
Physical & Chemical Properties: Multiple Properties  
Chemical Stability & Reactivity Information: Conditions to avoid