

**Safety Data Sheet**  
**acc. to OSHA HCS**

Printing date 07/02/2024

Version 5.0

Last revision 06/01/2024

**\* 1 Identification**

- **Product name:** Silicon Carbide Abrasive Papers, 53-Series
- **Part number:** 53-10005 - 53-10184
- **Application of the substance / the mixture** Abrasive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Allied High Tech Products Inc.  
16207 Carmenita Road  
USA-Cerritos, CA, 90703  
USA  
info@alliedhightech.com
- **Information department:** Product safety department
- **Emergency telephone number:**  
During normal opening times: +1 (310) 635-2466  
Chemtrec: +1 (202) 483-7616



**2 Hazard(s) identification**

- **Classification of the substance or mixture** The product is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

**3 Composition/information on ingredients**

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

**· Hazardous components and components with occupational exposure limits:**

409-21-2	silicon carbide		10-20%
1333-86-4	Carbon black	 Self-heating substances and mixtures 2, H252;  Carcinogenicity 2, H351	<0.1%

**· Non-hazardous components:**

Paper Backing	60-70%
Polymeric Resin (cured)	10-20%
Synthetic rubber adhesive (PSA)	1-5%

- **Additional information:** The specific chemical identity and/or exact percentage of the composition has been withheld as a trade secret.

**4 First-aid measures**

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.

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- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
Eye irritation  
Dermatitis
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Dispose of the collected material according to regulations.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures necessary.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in dry conditions.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No additional data. See 7.
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

#### 409-21-2 silicon carbide

PEL	Long-term value: 15* 5** mg/m <sup>3</sup> fibrous dust: *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV	Long-term value: 10* 3** mg/m <sup>3</sup> fibrous dust: 0.1 f/cc A2, nonfibrous: *inh., **resp.

#### 1333-86-4 Carbon black

PEL	Long-term value: 3.5 mg/m <sup>3</sup>
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REL	Long-term value: 3.5* mg/m <sup>3</sup> *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m <sup>3</sup> *inhalable fraction, A3

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:**  
Not required.  
Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:** Not required.
- **Eye protection:** Not required.

## 9 Physical and chemical properties

<ul style="list-style-type: none"> <li>· <b>Information on basic physical and chemical properties</b></li> <li>· <b>General Information</b></li> <li>· <b>Appearance:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Form:</td> <td>Solid</td> </tr> <tr> <td>Color:</td> <td>According to product specification</td> </tr> </table> </li> <li>· <b>Odor:</b> Odorless</li> <li>· <b>Odor threshold:</b> Not determined.</li> </ul>		Form:	Solid	Color:	According to product specification
Form:	Solid				
Color:	According to product specification				
· <b>pH-value:</b>	Not applicable.				
<ul style="list-style-type: none"> <li>· <b>Change in condition</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Melting point/Melting range:</td> <td>Undetermined.</td> </tr> <tr> <td>Boiling point/Boiling range:</td> <td>Undetermined.</td> </tr> </table> </li> </ul>	Melting point/Melting range:	Undetermined.	Boiling point/Boiling range:	Undetermined.	
Melting point/Melting range:	Undetermined.				
Boiling point/Boiling range:	Undetermined.				
· <b>Flash point:</b>	Not applicable.				
· <b>Flammability (solid, gaseous):</b>	Not determined.				
· <b>Decomposition temperature:</b>	Not determined.				
· <b>Ignition temperature:</b>	Product is not selfigniting.				
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.				
<ul style="list-style-type: none"> <li>· <b>Explosion limits:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Lower:</td> <td>Not determined.</td> </tr> <tr> <td>Upper:</td> <td>Not determined.</td> </tr> </table> </li> </ul>	Lower:	Not determined.	Upper:	Not determined.	
Lower:	Not determined.				
Upper:	Not determined.				
· <b>Vapor pressure:</b>	Not applicable.				
<ul style="list-style-type: none"> <li>· <b>Density:</b></li> <li>· <b>Relative density</b></li> <li>· <b>Vapor density</b></li> <li>· <b>Evaporation rate</b></li> </ul>	Not determined. Not determined. Not applicable. Not applicable.				
<ul style="list-style-type: none"> <li>· <b>Solubility in / Miscibility with</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Water:</td> <td>Insoluble.</td> </tr> </table> </li> </ul>	Water:	Insoluble.			
Water:	Insoluble.				
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.				
<ul style="list-style-type: none"> <li>· <b>Viscosity:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Dynamic:</td> <td>Not applicable.</td> </tr> <tr> <td>Kinematic:</td> <td>Not applicable.</td> </tr> </table> </li> </ul>	Dynamic:	Not applicable.	Kinematic:	Not applicable.	
Dynamic:	Not applicable.				
Kinematic:	Not applicable.				
<ul style="list-style-type: none"> <li>· <b>Solvent content:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">VOC content:</td> <td>0.00 %</td> </tr> </table> </li> </ul>	VOC content:	0.00 %			
VOC content:	0.00 %				
· <b>Solids content:</b>	100.0 %				

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· **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Keep away from heat.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide
- **Additional information:** Hazardous decomposition products may form during combustion.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)

### 409-21-2 silicon carbide

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

### 1333-86-4 Carbon black

Oral	LD50	10,000 mg/kg (rat)
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- **Primary chemical irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
  - Abrasive eye irritant
  - Abrasive skin irritant
- When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

409-21-2	silicon carbide	2A
1333-86-4	Carbon black	2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

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- **Additional ecological information:**
- **General notes:** Not hazardous for water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Contact waste processors for recycling information.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· <b>UN-Number</b> · <b>DOT, ADN, IMDG, IATA</b>	not regulated
· <b>UN proper shipping name</b> · <b>DOT, ADN, IMDG, IATA</b>	not regulated
· <b>Transport hazard class(es)</b> · <b>DOT, ADN, IMDG, IATA</b> · <b>Class</b>	not regulated
· <b>Packing group</b> · <b>DOT, IMDG, IATA</b>	not regulated
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	not regulated

### 15 Regulatory information

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

· <b>Section 355 (extremely hazardous substances):</b>
None of the ingredients is listed.

· <b>Section 313 (Specific toxic chemical listings):</b>
None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**  
All other ingredients are exempt from listing.

	Paper Backing	ACTIVE
	Polymeric Resin (cured)	ACTIVE
409-21-2	silicon carbide	ACTIVE
1333-86-4	Carbon black	ACTIVE

· <b>Hazardous Air Pollutants</b>
None of the ingredients is listed.

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· **Proposition 65**· **Chemicals known to cause cancer:**

1333-86-4 | Carbon black

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

To the best of our knowledge, the information contained herein is accurate. However, it does not describe a guarantee of product properties and does not establish a contractual legal relationship.

· **Department issuing SDS:** Technical Services· **Contact:** Pablo Mendoza· **Last revision / supersedes version:** 06/01/2024 / 4.0· **Supersedes date:** 06/01/2022· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Self-heating substances and mixtures 2: Self-heating substances and mixtures – Category 2

Carcinogenicity 2: Carcinogenicity – Category 2

· **\* Data compared to the previous version altered.**