

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/09/2022

Reviewed on 11/09/2022

1 Identification

- **Product identifier**
- **Trade name:** **AQUABLAK 5106**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Chromascape
7555 E Pleasant Valley Rd
Independence, OH 44131
- **Information department:**
phone 888.421.0010
email healthsafety@chromascape.com
- **Emergency telephone number:**
Call Chemtrec tel: 1 800 424 9300
Outside the United States call 703 527 3887

2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Irritation 2 H315 Causes skin irritation.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard statements**
Causes skin irritation.
- **Precautionary statements**
Wash thoroughly after handling.
Wear protective gloves.
If on skin: Wash with plenty of water.
Specific treatment (see on this label).
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



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- **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

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

- **Dangerous components:**

	ORGANIC PIGMENT	25-50%
4719-04-4	2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	≥0.1-<1%

4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **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**
No further relevant information available.
- **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:**
Should be equipped with self contained breathing apparatus and protective clothing.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear appropriate safety equipment.

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- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Wear appropriate safety equipment.
Contain and clean up spill immediately.
Prevent from entering floor drains.
Sweep powders carefully minimizing dusting.
Shovel all spill materials into disposal drums and follow disposal instructions.
Scrub spill area with detergent and flush with copious amount of water.
- **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.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

9003-11-6	AMINO-METHYL-PROPANOL	6.9 mg/m ³
4719-04-4	2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	2.3 mg/m ³
1310-73-2	sodium hydroxide	0.5 mg/m ³
75-21-8	ethylene oxide	5 ppm
75-56-9	propylene oxide	73 ppm
123-91-1	1,4-dioxane	17 ppm

· **PAC-2:**

9003-11-6	AMINO-METHYL-PROPANOL	76 mg/m ³
4719-04-4	2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	25 mg/m ³
1310-73-2	sodium hydroxide	5 mg/m ³
75-21-8	ethylene oxide	45 ppm
75-56-9	propylene oxide	290 ppm
123-91-1	1,4-dioxane	320 ppm

· **PAC-3:**

9003-11-6	AMINO-METHYL-PROPANOL	460 mg/m ³
4719-04-4	2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	150 mg/m ³
1310-73-2	sodium hydroxide	50 mg/m ³
75-21-8	ethylene oxide	200 ppm
75-56-9	propylene oxide	870 ppm
123-91-1	1,4-dioxane	760 ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
In accordance with good industrial practices, handle with care and avoid personal contact.
Containers should be triple rinsed according to federal regulations and/or good waste management practices.
- **Information about protection against explosions and fires:** No special measures required.

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- **Conditions for safe storage, including any incompatibilities**
Keep containers closed when not in use.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
If exposure to dust is likely, a NIOSH approved dust respirator is recommended.
- **Protection of hands:**



Protective gloves

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Always wear safety glasses.
- **Body protection:**
- **Light weight protective clothing**
Wear apron, coveralls, boots and long sleeve shirt to prevent skin contact.
- **Limitation and supervision of exposure into the environment**
Eyewash fountains should be easily accessible.
Shower after handling this product.
Workclothes should be washed before reuse.

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Before eating, drinking or smoking, wash hands and face with soap and water.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Liquid
Color:	Black
· Odor:	Light
· Odor threshold:	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range:	0 °C (32 °F)
Boiling point/Boiling range:	100 °C (212 °F)

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** >140 °C (>284 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

· **Vapor pressure at 20 °C (68 °F):** 23 hPa (17.3 mm Hg)

· **Density at 20 °C (68 °F):** >1 g/cm³ (>8.345 lbs/gal)

· **Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic:	Not determined.
Kinematic:	Not determined.

· **Solvent content:**

Organic solvents:	0.0 %
Water:	59.3 %
VOC Content:	>0.0 g/l / >0.00 lb/gal

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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** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Burning will produce oxides of carbon, nitrogen and sulfur.

11 Toxicological information

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

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

Carbon Black, non activated, mineral origin

Oral	LD50	10,000 mg/kg (rat)
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- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** May be irritant.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· **Carcinogenic categories**

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

Carbon Black, non activated, mineral origin	2B
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· **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:**

Carbon Black, non activated, mineral origin

Inhalative	LC50/96h	>1,000 mg/l (Brachydanio rerio)
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EC0/3h	>800 mg/l (Activated Sludge)
EC50	>5,600 mg/kg (daphnia magna)
EC50/72h	>10,000 mg/l (Scenedesmus subspicatus)

- **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.
- **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:**
Disposal must be made according to official regulations.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
Containers should be triple rinsed according to Federal Regulations and/or good waste management practice.
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· DOT, IMDG, IATA	not regulated
· UN proper shipping name	
· DOT, IMDG, IATA	not regulated
· Transport hazard class(es)	
· DOT, ADN, IMDG, IATA	
· Class	not regulated
· Packing group	
· DOT, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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· **UN "Model Regulation":** not regulated

15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

75-21-8 ethylene oxide

75-56-9 propylene oxide

123-91-1 1,4-dioxane

· **Proposition 65**

Carbon Black is listed by the State of California as a Proposition 65-listed substance provided that the following criteria are met. The material must be an airborne unbound particulate of respirable size (less than 10 microns). Due to the fact that this material is offered in a liquid form, it is unlikely that these criteria would be met unless the physical form of the product was altered.

· **Chemicals known to cause cancer:**

Carbon Black, non activated, mineral origin

75-21-8 ethylene oxide

75-56-9 propylene oxide

123-91-1 1,4-dioxane

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

75-21-8 ethylene oxide

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

75-21-8 ethylene oxide

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

75-21-8 ethylene oxide

· **New Jersey Right-to-Know List:**

1310-73-2 sodium hydroxide

128-37-0 Butylated hydroxytoluene

75-21-8 ethylene oxide

75-56-9 propylene oxide

123-91-1 1,4-dioxane

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· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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

IARC evaluation: There is inadequate evidence in humans for the carcinogenicity of Carbon Black. There is sufficient evidence in experimental animals for the carcinogenicity of Carbon Black. There is sufficient evidence in experimental animals for the carcinogenicity of carbon black extracts. The overall IARC evaluation is carbon black is possibly carcinogenic to humans (Group 2B).

· **TLV (Threshold Limit Value)**

Carbon Black, non activated, mineral origin

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Carbon Black, non activated, mineral origin

· **Canadian Domestic Substances List (DSL)**

7732-18-5 MS-BL-WATER

Carbon Black, non activated, mineral origin

9003-11-6 AMINO-METHYL-PROPANOL

4719-04-4 2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol

1310-73-2 sodium hydroxide

Distillates (petroleum), hydrotreated heavy paraffinic

2634-33-5 1,2-benzisothiazol-3(2H)-one

128-37-0 Butylated hydroxytoluene

75-21-8 ethylene oxide

123-91-1 1,4-dioxane

· **Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard statements**

Causes skin irritation.

· **Precautionary statements**

Wash thoroughly after handling.

Wear protective gloves.

If on skin: Wash with plenty of water.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

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- **National regulations:**

- **Other regulations, limitations and prohibitive regulations**

Additional Toxicity Data: Prolonged or repeated contact with dust might cause a benign pneumoconiosis called siderosis.

Other relevant information: It is believed that the carcinogenic potential of Carbon Black is due to the PAH (polyaromatic hydrocarbon) content of the Carbon Black. Research indicates that the PAH content of Carbon Black is not released from the Carbon Black in biological fluids and thus is not available for biological activity. It should be noted that Carbon has a strong binding effect to other organic materials as demonstrated by its use in respirator cartridges.

In addition, it is believed that the carcinogenic response in animals (rats in particular) may be due to particulate overload rather than the chemical effect of carbon black on the lung. Given that this product is supplied in a liquid form, it is unlikely that particulate overload to the lung will occur unless the physical form of the product is changed.

The mutagenic potential of this material, in the form of cell changes in the lung tissue of exposed rats, may also be due to particulate overload rather than chemical effect.

CA prop 65

This product contains a chemical(s) known to the state of California to cause cancer and/or birth defects or other reproductive harm. Pursuant to the California Safe Drinking Water and Toxic Enforcement Act of 1986 we are required to provide the above warning in the absence of definitive testing showing risks from long-term exposure to chemicals present in our formulations do not exist. To the best of our knowledge, this product complies with all Federal and State laws and regulations governing its manufacturing, distribution and intended use.

- **State - Right to know**

None of the ingredients is listed.

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

16 Other information

Disclaimer:

We believe all the information and data given is accurate as of the date of preparation and is offered in good faith.

This information is given without warranty or representation solely for your consideration, investigation and verification. Since conditions of use is beyond our control, we expressly disclaim all liability for the use or handling of this product.

- **Department issuing SDS:** Environment protection department.

- **Contact:** Carlo Benedetti

- **Date of preparation / last revision** 11/09/2022

- **Abbreviations and acronyms:**

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)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

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TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irritation 2: Skin corrosion/irritation – Category 2

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