



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name SC938
Version # 03
Revision date 02-17-2011
CAS # Mixture
Manufacturer Ergon Armor
Division Memphis
Address PO Box 1639
Jackson, MS 39215-1639
Contact Name Mary Ellen Snow
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Hours of Operation 8:00AM - 5:00PM
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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. Eye contact.
Eyes Contact may irritate or burn eyes. Eye contact may result in corneal injury. Do not get this material in contact with eyes.
Skin Avoid contact with the skin.
Inhalation Prolonged inhalation may be harmful.
Ingestion Do not ingest.
Target organs Eyes. RESPIRATORY SYSTEM.
Chronic effects Conjunctiva.
Signs and symptoms Corneal damage. Conjunctivitis. Irritation of eyes and mucous membranes.
Potential environmental effects Ecological injuries are not known or expected under normal use.

3. Composition / Information on Ingredients

Hazardous components	CAS #	Percent
CARBON BLACK	1333-86-4	< 1
Non-hazardous components	CAS #	Percent
TEXANOL	25265-77-4	1 - 2.5
PROPRIETARY INGREDIENTS	N/A	0 - 10
STYRENE ACRYLIC COPOLYMER	25085-34-1	30 - 50
WATER	7732-18-5	40 - 60

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.

Skin contact 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.

Inhalation 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.

Ingestion Rinse mouth. 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. If ingestion of a large amount does occur, call a poison control center immediately.

Notes to physician In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General advice 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

Flammable properties The product is not flammable. No unusual fire or explosion hazards noted.

Extinguishing media

Suitable extinguishing media Water. Water fog. Dry chemical powder. Carbon dioxide (CO2). Alcohol foam.

Specific methods In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

6. Accidental Release Measures

Personal precautions Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Keep upwind. Keep out of low areas. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental precautions Prevent further leakage or spillage if safe to do so.

Methods for containment Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up

Large Spills: Dike far ahead of spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.

Never return spills in original containers for re-use.

7. Handling and Storage

Handling 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. Handle and open container with care.

Storage Keep container tightly closed. Keep out of the reach of children. Use care in handling/storage. Do not allow material to freeze.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH		
Components	Type	Value
CARBON BLACK (1333-86-4)	TWA	3.5000 mg/m3
U.S. - OSHA		
Components	Type	Value
CARBON BLACK (1333-86-4)	PEL	3.5000 mg/m3

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

Eye / face protection Do not get in eyes. Chemical goggles are recommended.
Skin protection Wear protective gloves.
Respiratory protection If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
General hygiene considerations Do not get in eyes. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance Liquid.
Color Black.
Odor Ammoniacal.
Odor threshold Not available.
Physical state Liquid.
Form Liquid.
pH 8 - 10
Melting point Not available.
Freezing point 32 °F (0 °C)
Boiling point 212 °F (100 °C)
Flash point Not available.
Evaporation rate Water
Flammability limits in air, upper, % by volume Not available.
Flammability limits in air, lower, % by volume Not available.
Vapor pressure Not available.
Vapor density Not available.
Specific gravity 1.04
Relative density Not available.
Solubility (water) Soluble
Partition coefficient (n-octanol/water) Not available
Auto-ignition temperature Not available.
Decomposition temperature Not available.
VOC < 80 g/l
Viscosity 100 cP Typical
Molecular weight Mixture

10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal conditions.
Incompatible materials None known.
Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological Information

Toxicological data

Components

Test Results

CARBON BLACK (1333-86-4)

Acute Oral LD50 Rat: > 8000 mg/kg

* Estimates for product may be based on additional component data not shown.

Local effects

Contact may irritate or burn eyes.

Chronic effects

Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Carcinogenicity

Hazardous by OSHA criteria. Risk of cancer cannot be excluded with prolonged exposure.

ACGIH Carcinogens

CARBON BLACK (CAS 1333-86-4)

A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

CARBON BLACK (CAS 1333-86-4)

2B Possibly carcinogenic to humans.

12. Ecological Information

Ecotoxicity

This product has no known eco-toxicological effects.

Persistence and degradability

Not available.

13. Disposal Considerations

Disposal instructions

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.

Waste from residues / unused products

Not applicable.

14. Transport Information

DOT

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations

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.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No

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

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
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 WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

CARBON BLACK (CAS 1333-86-4) Listed.

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

CARBON BLACK (CAS 1333-86-4) Listed: February 21, 2003 Carcinogenic.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

CARBON BLACK (CAS 1333-86-4) Listed.

16. Other Information

Further information

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

HMIS® ratings

Health: 1*
Flammability: 0
Physical hazard: 0

NFPA ratings

Health: 1
Flammability: 0
Instability: 0

Issue date

02-17-2011

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

Composition / Information on Ingredients: Ingredients
Handling and Storage: Storage
Exposure Controls / Personal Protection: Eye / face protection
Physical & Chemical Properties: Appearance
Physical & Chemical Properties: Color
Physical & Chemical Properties: Odor