

Material Safety Data Sheet

Smart Sponge®

Section 1: Identification

Trade Name	Smart Sponge®
Product code:	ACX-10-N
Hazardous Classification:	This product is not hazardous as defined in 29 CFR 1910.1200
Corporate office:	AbTech Industries, Inc. 4110 N. Scottsdale Road, Suite 235 Scottsdale, AZ 85251
Telephone:	480-874-4000; Business hours 8 AM to 5 PM Arizona Time.
Emergency Contact:	Shawn Lolling, Director of Engineering, 312-848-9784 24 hours availability in case of emergency
Recommended use of the chemical:	Products include Smart Sponge technologies capable of removing hydrocarbons, sediment and other compounds from standing and flowing water.
Restrictions on use:	Use according to manufacturer's recommendation.

Section 2: Hazard(s) Identification

Hazardous Classification:	This product is not hazardous as defined in 29 CFR 1910.1200. Health 0; Flammability 1; Reactivity 0.
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Potential Health Hazards:

Eye Contact:	Particulates may cause irritation, which is typically characterized by redness and excessive tear production.
Skin Contact:	No first aid normally required; however if excessive irritation occurs seek medical attention.
Inhalation:	No first aid normally required; however if swallowed, and symptoms occur seek medical attention.
Ingestion:	No first aid normally required; however if swallowed, and symptoms occur seek medical attention.

Section 3: Composition/Information on Ingredients

Chemical Name: The composition of all Smart Sponge products is as follows:

Component	Content	CAS Number
Styrene-Butadiene-Styrene Block Copolymer	up to 100%	9003-55-8
Ethylene Propylene Diene Terpolymer	up to 35%	25038-36-2

This product is not hazardous as defined in 29 CFR 1910.1200

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Section 4: First-Aid Measures

Medical Conditions Aggravated by Exposure:	Individuals with pre-existing skin disorders should avoid contact with this material.
Specific Hazard:	No acute or chronic hazards or effects are known.
Eye Contact:	If irritation or redness develops, move away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention
Skin Contact:	Wipe material from skin. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention
Ingestion:	No first aid is normally required; however, if swallowed, and symptoms develop, seek medical attention.
Inhalation:	Remove to fresh air immediately. Obtain medical attention if irritation persists.

Section 5: Fire-Fighting Measures

Flammable Properties:	Flammable
Flashpoint:	288°C
Flammability Limits (% by volume in air):	LEL: N/A UEL: N/A
Extinguishing Media:	All fire extinguishing media permitted; foam or water fog is recommended.
NFPA Ratings:	Health 0; Flammability 1; Reactivity 0.
Fire Fighting Instructions:	This material will burn although it is not easily ignited. Use standard firefighting procedures and consider the hazards of other involved materials.
Hazardous Combustion Products:	Carbon monoxide, carbon dioxide, silicates, and various hydrocarbons from incomplete combustion may occur. Carbon monoxide can displace oxygen and act as an asphyxiant in poorly ventilated spaces.

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Section 6: Accidental Release Measures

Personal precautions:	Spilled material can cause a slipping hazard. Clean up immediately and dispose of properly. Wear appropriate respiratory protective equipment when responding to large clean-ups, where dusts are a concern.
Environmental Precautions:	No Specific measures. Material should be recovered and placed in suitable container for recycle or disposal under local regulatory requirements. Avoid generating dust.
Methods for Cleaning:	Material can be swept, shoveled, or vacuumed using suitable equipment.

Section 7: Handling and Storage

Preventive Measures:	Avoid contact with any potential sources of ignition.
Storage:	The product is to be stored in a dry, well ventilated area with temperatures lower than 40°C, away from direct sunlight and heat sources to avoid product degradation or combustion.

Section 8: Exposure Controls/Personal Protection

Personal Protective	Eye: Recommend eye protection to safeguard against potential eye contact, irritation or injury is recommended.
Equipment:	Skin: Wear clothing appropriate to prevent skin contact. Practice good personal hygiene. Where contact may occur with hot material, wear thermal resistant gloves, arm protection, and a face shield. Respiratory: Not normally required at ambient temperatures. If processing in area where ventilation is inadequate or ignition has occurred, follow OSHA respirator regulations (29CFR 1910.134) wear a NIOSH/MSHA approved organic vapor respirator.
Exposure Limit Values:	There are no occupational exposure standards for this product.

Section 9: Physical and Chemical Properties

Physical State:	Solid "Popcorn"	Odor:	Practically odorless
Color:	White to Ivory	Solubility in Water @ 20°C:	Insoluble
Relative Density	14-18 lb/ft ³	Specific Gravity (range):	0.27 – 0.40
Flash point:	>288°C,	Volatiles (% by weight @ 105°C):	1.0 max
Auto Ignition Temperature:	>320°C,	Combustible:	No, but the product will burn if ignited.

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Section 10: Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Exposure to excessive sunlight, ultraviolet light or elevated temperatures over prolonged periods of time may cause degradation and discoloring. Accumulation of product in equipment, processes, or areas exposed to elevated temperatures over extended periods of time and in the presence of air may lead to combustion of the product

Incompatibility with other Materials: Avoid contact with strong oxidizing agents, open flames or heat sources.

Hazardous Decomposition Products: Under normal conditions processing of product will not be expected to produce hazardous decomposition products. Although dependent on temperature and environmental conditions, if the product is exposed to an unusual heat or ignition source then thermal decomposition can occur leading to potential formation of toxic and irritating vapors (Refer to Hazardous Combustion Products in Section 5).

Section 11: Toxicological Information

Medical Conditions Aggravated by Exposure: Individuals with pre-existing skin disorders should avoid contact with this material.

Likely Routes of Exposure: **Skin Contact:**
A single prolonged exposure is not likely to result in material being absorbed through the skin in harmful amounts. Repeated, prolonged exposure may cause mild skin irritation in some individuals. Exposure to hot material may cause thermal burns.

Section 12: Ecological Information

Ecotoxicity: The product is not regarded as ecotoxic.

Product persistence and degradation: No potential biodegradation, oxidation or hydrolysis of the polymer occurs.

Leaching Studies: This product has been shown to be non-leaching. It will float on water and will remain on the surface of the soil.

Section 13: Disposal Considerations

The product is not considered a hazardous waste as defined by the US Environmental Protection Agency (40CFR§261). Refer to local, state and federal or country specific regulations concerning the appropriate methods and means of disposal.

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Section 14: Transport Information

The products are not classified as dangerous material for transport according to the following regulations: ADR/RID, IMO, IATA, US Department of Transportation.
Label not required: OSHA and/or WHMIS

Section 15: Regulatory Information

TOXIC SUBSTANCES CONTROL ACT (TSCA): Components of these products are on the TSCA inventory.

SARA TITLE III, SECTION 313: The products are not subjected to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) and 40 CFR Part 372.

CLEAN WATER ACT (CWA): The products do not appear of the list of Hazardous Substances (40 CFR 1164).

CALIFORNIA PROPOSITION 65: The products do not appear of the Proposition 65 list(s).

CANADIAN DOMESTIC SUBSTANCES LIST (DSL): The products are listed on the Canadian DSL as Non-Confidential.

CANADA – Workplace Hazardous Materials Information System (WHMIS): The MSDS contains all of the required information. The product has been classified in accordance to the hazard criteria of the Controlled Products Regulations. The product is not a WHMIS controlled product.

EU Regulation (EC) 1907/2006 REACH: Polymers are exempted from registration and evaluation. Therefore, these products are exempted by regulation. Annex V exempts from registration additives used in our polymers as antioxidants, defoaming agents, stabilizers, etc., and exempts substances that are naturally occurring that have not been chemically modified, Article 2(7)(b).

Section 16: Other Information

Issue Date: 08/04/2015

Supersedes: 03/16/2012

Data and information contained in this Material Safety Data Sheet are based on our available knowledge at the last revision date. No guarantee can be given as to the sufficiency of any safety measures contained in this Information Data Sheet, nor can it be assumed that other or additional measures may not be required under particular or exceptional circumstances.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If the buyer relabels this product, legal counsel should be consulted to insure proper health, safety, and other necessary information is included on the container. AbTech provides no warranties, either expressed or implied. The information contained within is believed to be accurate as of the revision date shown above. The above information complies with the OSHA hazard communication standard 29 CFR 1910.1200 and meets standard OMB No. 1218-0072

The latest changes have been made to the previous version to include OSHA updated requirements for MSDS's to conform to international standards.