

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME</b>	Alto Shaam CombiTabs		
<b>PRODUCT CODE</b>	CE-36354	<b>SUPPLIER</b>	Alto Shaam
<b>ISSUE DATE</b>	2/20/2014	<b>STREET ADDRESS</b>	W164 N9221 Water Street
<b>SUPERCEDES</b>	10/29/2013	<b>CITY, STATE ZIP</b>	Menomonee Falls, WI 53052
		<b>PHONE</b>	(800) 558-8744

**EMERGENCY TELEPHONE NUMBER**  
(800) 558-8744

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS No.	OSHA PEL/TLV	<u>EXPOSURE LIMITS</u>		OTHER LIMITS
			ACGIH TLV	STEL	
Sodium hydroxide	1310-73-2	2 mg/m <sup>3</sup>	2mg/m <sup>3</sup>	N/A	N/A
Sodium metasilicate	6834-92-0	N/E	N/E	N/E	N/E

## SECTION 3 – HAZARDS IDENTIFICATION

<b>EMERGENCY OVERVIEW</b>	May cause severe burns to eyes and skin Harmful if swallowed Harmful if inhalation exposure limits are exceeded
-------------------------------	---

<b>POTENTIAL HEALTH EFFECTS</b>	
<b>INGESTION .....</b>	Irritation, or burning to mucous membranes
<b>INHALATION .....</b>	Irritation, or burning to mucous membranes
<b>EYE CONTACT .....</b>	Burning
<b>SKIN CONTACT .....</b>	Burning

## SECTION 4 – FIRST AID MEASURES

<b>INGESTION</b>	Drink large amounts of water or milk. DO NOT INDUCE VOMITING. See a physician immediately
<b>INHALATION</b>	Dust may produce sever irritation. If difficulty in breathing occurs, leave area and do not return until dust has settled.
<b>EYE CONTACT</b>	Flush with water for 15 minutes. See a physician immediately
<b>SKIN CONTACT</b>	Flush with water. Remove contaminated clothing and do not re-wear until washed. If burns develop see a physician
<b>NOTE TO PHYSICIAN</b>	Treatment based on judgment of the physician in response to reactions of the patient.

## SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT / METHOD	N/A	FLAMMABLE LIMITS	N/A
% VOLATILE	N/A		
EXTINGUISHING MEDIA	Dry chemical, water mist, alcohol foam		
SPECIAL FIRE FIGHTING PROCEDURES	Firefighters should wear a self-contained breathing apparatus as in all chemical fires.		
FIRE AND EXPLOSION HAZARDS	Contact with aluminum and zinc in presence of moisture will produce hydrogen gas, which can form explosive mixture in air.		

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Sweep up spilled material taking care not to produce dust. Dilute residual material with dilute acetic acid (vinegar) to a pH of less than 10.
--------------------	--

## SECTION 7 – HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store in cool dry place

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS

HYGIENIC PRACTICES	Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.
ENGINEERING CONTROLS	Good general ventilation should be sufficient to control airborne levels. Eyewash station is recommended.

	<b>RESPIRATOR</b>	Not necessary, if kept below TLV's
X	<b>GOGGLES / FACE SHIELD</b>	Recommended: goggles should be chemical splash type
	<b>APRON</b>	Not necessary
X	<b>GLOVES</b>	Recommended" PVC, Neoprene, or Nitrile acceptable
	<b>BOOTS</b>	Not necessary

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White odorless powder	BOILING POINT	N/A
ODOR	N/A	VAPOR PRESSURE	N/A
Ph 1%	>13	VAPOR DENSITY	N/A
SPECIFIC GRAVITY	N/A	EVAPORATION RATE (butyl acetate=1)	N/A
SOLUBILITY IN WATER	N/A		

## SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	Moisture, elevated temperatures.					
INCOMPATIBILITY	Strong acids, contact with aluminum or zinc in the presence of moisture					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Oxides of carbon					
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR	
CONDITIONS TO AVOID						

## SECTION 11 – TOXICOLOGICAL INFORMATION

### CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910.2

### OTHER EFFECTS

ACUTE	Dust is irritating to eyes and mucous membranes. Causes burns to eyes, skin, and mucous membranes. May be toxic if swallowed
CHRONIC	None
ORAL LD/50	Unknown

## SECTION 12 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Flush diluted material to sewer.
----------------	----------------------------------

## SECTION 13 – TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS	X		NOT HAZARDOUS	
DESCRIPTION	Corrosive solid, n.o.s. (contains sodium hydroxide), 8, UN1759, PG II.					
SEATEX HM CODE	190					

## SECTION 14 – OTHER INFORMATION

### HMIS CLASSIFICATION

2	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
Alk	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Alto Shaam in connection with the use of this information.