

# MATERIAL SAFETY DATA SHEET

PAGE 1 OF 2

<b>IDENTITY</b>	<b>SoGo® "S.M.R."</b>
-----------------	-----------------------

## SECTION I

<b>MANUFACTURER:</b> A.L. WILSON CHEMICAL CO. 1050 HARRISON AVENUE P.O. BOX 207 KEARNY, NJ 07032	<b>EMERGENCY TELEPHONE NUMBER</b>	800-424-9300 or 703-527-3887
	<b>TELEPHONE NUMBER FOR INFORMATION:</b>	201-997-3300
	<b>DATE PREPARED:</b>	October 1, 2005

## SECTION II - IMPORTANT INGREDIENTS / IDENTITY INFORMATION

IMPORTANT COMPONENTS	CHEMICAL IDENTITY	CAS #	%	TLV
LITHIUM HYPOCHLORITE	LiOC1	13840-33-0	< 22%	1.0 PPM
SODIUM CHLORIDE	NaC1	7647-14-5		
SODIUM TRIPOLYPHOSPHATE	Na5 P3 O10	7758-29-4		
SILICIC ACID, SODIUM SALT		1344-09-8		
SODIUM TETRABORATE DECAHYDRATE	Na2 B4 O7 . 10H2O	1303-96-4		5Mg/M <sup>3</sup>

## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

<b>BOILING POINT</b>	NA	<b>SPECIFIC GRAVITY (H2O=1)</b>	less than 1
<b>VAPOR PRESSURE (mm Hg)</b>	NA	<b>MELTING POINT</b>	NA
<b>VAPOR DENSITY (air =1)</b>	NA	<b>EVAPORATION RATE (butyl acetate =1)</b>	NA
<b>SOLUBILITY IN WATER</b>	moderate		
<b>APPEARANCE AND ODOR</b>	white powder with chlorine odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT</b>	NA (method used)	<b>FLAMMABLE LIMITS</b>	NA
<b>EXTINGUISHING MEDIA</b>	large amounts of water		
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	ND		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b>	Oxygen & chlorine gases may be released if heated to decomposition or contacted by strong acids.		

## SECTION V - REACTIVITY DATA

<b>STABILITY</b>	stable	<b>CONDITIONS TO AVOID</b>	
<b>INCOMPATIBILITY (MATERIALS TO AVOID)</b>	acid, reducing agents, most organic compounds or high temperature		
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	chlorine gases		
<b>HAZARDOUS POLYMERIZATION</b>	will not occur		

See Page 2 for more information.

**SECTION VI - HEALTH HAZARD DATA****EFFECTS OF OVEREXPOSURE****EYES:** Can irritate.**SKIN:** Can irritate.**INGESTION:** Can cause burning sensation.**INHALATION:** Can irritate nose and throat.**FIRST AID****EYES:** Immediately flush thoroughly with plenty of water for 15 minutes.. Get medical attention.**SKIN:** Immediately flush thoroughly with water.**INGESTION:** See a physician as soon as possible.**INHALATION:** Remove victim to fresh air.**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Sweep up and put in clean plastic lined metal container.

**WASTE DISPOSAL METHOD**

Dispose of in accordance with federal, state and local regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Store away from oxidizable material and strong acids. Keep container tightly closed. Store in cool dry place.

**SECTION VIII - CONTROL MEASURES****RESPIRATORY PROTECTION**

None normally needed when used with adequate ventilation.

**VENTILATION**

Use only with adequate ventilation.

**PROTECTIVE GLOVES**

rubber desirable

**EYE PROTECTION**

chemical goggles desirable

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

rubber apron

**WORK/HYGIENIC PRACTICES**

Practice good personal hygiene.

**NA = Not Applicable****ND = Not Determined**

See Page 1 for more information.

# MATERIAL SAFETY DATA SHEET

PAGE 1 OF 2

## IDENTITY

SoGo® "1"

## SECTION I

<b>MANUFACTURER:</b> A.L. WILSON CHEMICAL CO. 1050 HARRISON AVENUE P.O. BOX 207 KEARNY, NJ 07032	<b>EMERGENCY TELEPHONE NUMBER</b>	800-424-9300 or 703-527-3887
	<b>TELEPHONE NUMBER FOR INFORMATION:</b>	201-997-3300
	<b>DATE PREPARED:</b>	June 1, 2005

## SECTION II - IMPORTANT INGREDIENTS / IDENTITY INFORMATION

IMPORTANT COMPONENTS	CHEMICAL IDENTITY	CAS #	%	TLV
SODIUM TETRABORATE DECAHYDRATE	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> · 10H <sub>2</sub> O	1303-96-4		5Mg/M <sup>3</sup>
SODIUM TRIPOLYPHOSPHATE	Na <sub>5</sub> P <sub>3</sub> O <sub>10</sub>	7758-29-4		
SODIUM SULFATE	Na <sub>2</sub> SO <sub>4</sub>	7757-82-6		ND
ALCOHOL ETHOXYLATE		68439-50-9		ND
SILICIC ACID, SODIUM SALT		1344-09-8		ND

## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

<b>BOILING POINT</b>	NA	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b>	approx. .09
<b>VAPOR PRESSURE (mm Hg)</b>	ND	<b>MELTING POINT</b>	NA
<b>VAPOR DENSITY (air =1)</b>	ND	<b>EVAPORATION RATE (butyl acetate =1)</b>	ND
<b>SOLUBILITY IN WATER</b>	moderate		
<b>APPEARANCE AND ODOR</b>	light beige powder, detergent like odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT</b> NA (method used)	<b>FLAMMABLE LIMITS</b> ND
<b>EXTINGUISHING MEDIA</b> water spray, carbon dioxide "CO <sub>2</sub> ", dry chemical or foam	
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> ND	
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> None known to exist.	

## SECTION V - REACTIVITY DATA

<b>STABILITY</b> stable	<b>CONDITIONS TO AVOID</b>
<b>INCOMPATIBILITY (MATERIALS TO AVOID)</b> strong acids and oxidizers	
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b> ND	
<b>HAZARDOUS POLYMERIZATION</b> will not occur	

See Page 2 for more information.

**SECTION VI - HEALTH HAZARD DATA****EFFECTS OF OVEREXPOSURE****EYES:** May irritate.**SKIN:** May irritate.**INGESTION:** ND**INHALATION:** May cause respiratory irritation.**FIRST AID****EYES:** Flush thoroughly with water for 15 minutes. Get medical attention.**SKIN:** Immediately flush thoroughly with water.**INGESTION:** See a physician as soon as possible.**INHALATION:** Remove victim to fresh air.**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Sweep up and put in container. See below.

**WASTE DISPOSAL METHOD**

Dispose of in accordance with federal, state and local regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

None normally needed.

**SECTION VIII - CONTROL MEASURES**

<b>RESPIRATORY PROTECTION</b> None needed when used in adequate ventilation.	<b>VENTILATION</b> Use with adequate ventilation.
<b>PROTECTIVE GLOVES</b> desirable	<b>EYE PROTECTION</b> desirable
<b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT</b> apron desirable	
<b>WORK/HYGIENIC PRACTICES</b> Practice good personal hygiene.	

**NA = Not Applicable****ND = Not Determined**

See Page 1 for more information.

# MATERIAL SAFETY DATA SHEET

PAGE 1 OF 2

<b>IDENTITY</b>	<b>SoGo® "Plus 1."</b>
-----------------	------------------------

## SECTION I

<b>MANUFACTURER:</b> A.L. WILSON CHEMICAL CO. 1050 HARRISON AVENUE P.O. BOX 207 KEARNY, NJ 07032	<b>EMERGENCY TELEPHONE NUMBER</b>	800-424-9300 or 703-527-3887
	<b>TELEPHONE NUMBER FOR INFORMATION:</b>	201-997-3300
	<b>DATE PREPARED:</b>	January 1, 2005

## SECTION II - IMPORTANT INGREDIENTS / IDENTITY INFORMATION

IMPORTANT COMPONENTS	CHEMICAL IDENTITY	CAS #	%	TLV
LINEAR PRIMARY ALCOHOL ETHOXYLATE	MIXTURE C <sub>12</sub> & C <sub>15</sub> ALCOHOL ETHOXYLATE	68131-39-5	< 4%	1.0 PPM
ISOPROPYL ALCOHOL	CH <sub>3</sub> CHOHCH <sub>3</sub>	67-63-0	< 6%	SETL = 500 PPM
WATER	H <sub>2</sub> O	7732-18-5		

## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

<b>BOILING POINT</b>	approx. 212° F	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b>	1.0
<b>VAPOR PRESSURE (mm Hg)</b>	ND	<b>MELTING POINT</b>	NA
<b>VAPOR DENSITY (air =1)</b>	ND	<b>EVAPORATION RATE (butyl acetate =1)</b>	ND
<b>SOLUBILITY IN WATER</b>	complete		
<b>APPEARANCE AND ODOR</b>	water white liquid with surfactant odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT</b> Greater than 140° F.T.C.C. Water base. Will not sustain combustion.	(method used)	<b>FLAMMABLE LIMITS</b> ND
<b>EXTINGUISHING MEDIA</b> water, carbon dioxide "CO <sub>2</sub> ", or dry chemical		
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> NA		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> NA		

## SECTION V - REACTIVITY DATA

<b>STABILITY</b> stable	<b>CONDITIONS TO AVOID</b>
<b>INCOMPATIBILITY (MATERIALS TO AVOID)</b>	oxidizing agents
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	ND
<b>HAZARDOUS POLYMERIZATION</b>	will not occur

See Page 2 for more information.

**SECTION VI - HEALTH HAZARD DATA****EFFECTS OF OVEREXPOSURE****EYES:** May irritate.**SKIN:** May irritate.**INGESTION:** ND**INHALATION:** Vapor mist may irritate.**FIRST AID****EYES:** Immediately flush thoroughly with water. Get medical attention.**SKIN:** Immediately flush thoroughly with water.**INGESTION:** See a physician as soon as possible.**INHALATION:** If affected, remove victim from exposed area.**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Flush with water. See below.

**WASTE DISPOSAL METHOD**

Absorb or and dispose of in accordance with federal, state and local regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Do not store above 130° F

**SECTION VIII - CONTROL MEASURES****RESPIRATORY PROTECTION**

None expected to be needed.

**VENTILATION**

adequate local exhaust

**PROTECTIVE GLOVES**

desirable

**EYE PROTECTION**

desirable

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

chemical apron

**WORK/HYGIENIC PRACTICES**

Practice good personal hygiene.

**NA = Not Applicable**  
**ND = Not Determined**

See Page 1 for more information.