

print date : 04/25/19

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SECTION 1

manufacturer : SANDSTROM PRODUCTS COMPANY  
address : 224 South Main Street  
: Port Byron, IL 61275  
: USA  
telephone# : (309) 523-2121  
emergency# : (800) 424-9300  
: (703) 527-3887

mfg. code id : L270-G75 Revision level : 5-04/25/2019

trade name : #329 SOLID FILM LUBRICANT

Recommended use of chemical: MODIFIED SILICATE

Restrictions on use: Do not use where there is a potential for contact with food.

SECTION 2

HAZARD IDENTIFICATION



HAZARD CLASSIFICATION:

WARNING!

EYE IRRITANT: CATEGORY 2A

SKIN IRRITANT: CATEGORY 2

HAZARD & PRECAUTIONARY STATEMENTS:

FLAMMABILITY

NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OF MIXTURE WITH FLAMMABILITY.

EYE CONTACT

H319: CAUSES SERIOUS EYE IRRITATION. P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECT ION. P264: WASH HANDS AND EXPOSED BODY PARTS THOROUGHLY AFTER HANDLING. P305,P351,P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P337,P313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ ATTENTION.

SKIN CONTACT

H315: CAUSES SKIN IRRITATION. P264: WASH HANDS AND EXPOSED BODY PARTS THOROUGHLY AFTER HANDLING. P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECT ION. P302,P352: IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. P362: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE. P332,P313: IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ ATTENTION.

INHALATION

NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OR MIXTURE FOR INHALATION.

INGESTION

NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OR MIXTURE FOR INGESTION.

HAZARDS NOT CLASSIFIED

NO DATA AVAILABLE.

OTHER HEALTH EFFECTS

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NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OR MIXTURE WITH OTHER HEALTH EFFECTS.

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OTHER HAZARDS:

USE ONLY IN A WELL-VENTILATED AREA OR IN A HOOD WHERE NO FLAME OR OTHER IGNITION SOURCES ARE PRESENT. DO NOT USE PRODUCT IN FOOD-PROCESSING OR FOOD-HANDLING EQUIPMENT OR ON SURFACES THAT MAY CONTACT FOOD. DO NOT ALLOW PRODUCT TO CONTAMINATE FOODSTUFFS. DO NOT EAT, DRINK OR SMOKE WHEN USING PRODUCT. WASH HANDS THOROUGHLY AFTER HANDLING. DO NOT BREATHE VAPORS. WEAR SUITABLE EYE AND SKIN PROTECTION. KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT FROM TEMPERATURE EXTREMES. IN CASE OF SPILL OR LEAK, REMOVE IGNITION SOURCES AND VENTILATE AREA.

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SECTION 3

no.	component	CAS#	% by wt.	SARA	vapor pressure (mm Hg @ 20 C)	LEL (@ 25 C)
1	SODIUM SILICATE	1344-09-8	10 - 15	NO	N/A	N/A

(N/A = not applicable)

SECTION 4 FIRST AID MEASURES

EYE CONTACT

IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF ANY SYMPTOMS PERSIST.

SKIN CONTACT

REMOVE CONTAMINATED CLOTHING AND SHOES. WIPE EXCESS FROM SKIN AND FLUSH WITH WATER USING SOAP IF AVAILABLE. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS. DO NOT REUSE CLOTHING UNTIL THOROUGHLY DECONTAMINATED.

INHALATION

REMOVE VICTIM TO FRESH AIR AND TREAT SYMPTOMATICALLY. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF THE VICTIM IS NOT BREATHING. SEEK PROMPT MEDICAL ATTENTION.

INGESTION

DILUTE WITH LIQUID UNLESS THE VICTIM IS UNCONSCIOUS OR VERY DROWSY. IF VOMITING SPONTANEOUSLY OCCURS, KEEP THE VICTIM'S HEAD BELOW THE HIPS TO PREVENT ASPIRATION INTO THE LUNGS. CONSULT A PHYSICIAN, HOSPITAL OR POISON CONTROL CENTER AND/OR TRANSPORT TO AN EMERGENCY FACILITY IMMEDIATELY.

SECTION 5 FIRE FIGHTING MEASURES

- flammability classification - OSHA : NOT APPLICABLE
- DOT : NOT REGULATED

EXTINGUISHING MEDIA

NOT APPLICABLE

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

NOT APPLICABLE

UNUSUAL FIRE AND EXPLOSION HAZARDS

NOT APPLICABLE

SECTION 6 ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES

LARGE SPILLS >> EVACUATE THE HAZARD AREA OF UNPROTECTED PERSONNEL. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. IF VAPOR CLOUD FORMS, WATER FOG MAY BE USED TO SUPPRESS; CONTAIN RUN-OFF. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; DISPOSE OF FLUSH SOLUTIONS AS ABOVE. SMALL SPILLS >> TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS; SEAL TIGHTLY FOR PROPER DISPOSAL.

SECTION 7 HANDLING AND STORAGE

FLAMMABILITY

NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OF MIXTURE WITH FLAMMABILITY.

SECTION 8 EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS/MIST. IF EXPOSURE EXCEEDS TLV USE A NIOSH-APPROVED POSITIVE PRESSURE SUPPLIED AIR RESPIRATOR TO PREVENT OVER EXPOSURE.

PROTECTIVE CLOTHING

AVOID CONTACT WITH EYES. WEAR GOGGLES IF THERE IS A LIKELIHOOD OF CONTACT WITH EYES. DO NOT GET ON SKIN OR ON CLOTHING.

ADDITIONAL PROTECTIVE MEASURES

USE VENTILATION AS REQUIRED TO CONTROL VAPOR/DUST CONCENTRATIONS. EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE FOR USE IN AN EMERGENCY.

SECTION 9 PHYSICAL PROPERTIES

% volatile by volume :	78.54 +/- 2%	weight per gallon :	13.94 +/- .2
% volatile by weight :	46.95 +/- 2%		

PHYSICAL STATE :	LIQUID	FLAMMABILITY (SOLID, GAS):	NOT AVAILABLE
COLOR :	(G) Gray	FLAMMABILITY/EXPLOSIVE LIMITS:	NOT AVAILABLE
ODOR :	MUSTY	VAPOR PRESSURE :	NOT AVAILABLE
ODOR THRESHOLD :	NOT AVAILABLE	VAPOR DENSITY :	NOT AVAILABLE
pH :	N/A	RELATIVE DENSITY :	1.6722
MELTING/FREEZING POINT:	NOT AVAILABLE	SOLUBILITY :	NOT AVAILABLE
INITIAL BOILING POINT :	NOT AVAILABLE	PARTITION COEFFICIENT :	NOT RELEVANT
BOILING RANGE :	NOT AVAILABLE	AUTO-IGNITION TEMPERATURE:	NOT AVAILABLE
EVAPORATION RANGE :	NOT AVAILABLE	DECOMPOSITION TEMPERATURE :	NOT AVAILABLE
		VISCOSITY (AT 77F) :	80-110 KU,STORMER

flash point : NOT APPLICABLE

SECTION 10 STABILITY AND REACTIVITY

STABILITY :	STABLE	HAZARDOUS POLYMERIZATION :	WILL NOT OCCUR
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CONDITIONS AND MATERIALS TO AVOID

NONE RECOGNIZED.

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON DIOXIDE, CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

SECTION 11 TOXICOLOGICAL INFORMATION

no.	(OSHA) PEL/TWA	PEL/CEILING	PEL/STEL	skin
1	15 mg/m3	N/E	N/E	N/E

  

no.	(ACGIH) TLV/TWA	TLV/CEILING	TLV/STEL	skin
1	10 mg/m3	N/E	N/E	N/E

>> The dried film of this product may become a dust nuisance when removed by sanding or grinding. OSHA recommends a PEL/TWA of 15 mg/m3 for total dust and 5 mg/m3 for the respirable fraction. ACGIH recommends a TLV/TWA of 10 mg/m3 for total dust.

>> (SKIN) absorption may contribute to the overall exposure to this material. Take appropriate measures to prevent skin contact. (N/E = not established)

>> None of the components of this product are recognized as carcinogenic.

SECTION 12 ECOLOGICAL INFORMATION

CAS#	Component	Harmful to Aquatic Life	Not Harmful to Aquatic Life	May be Harmful to Aquatic
001344-09-8	SODIUM SILICATE	Y	N	Y

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL  
WASTE CHARACTERIZATIONS AND COMPLIANCE WITH APPLICABLE LAWS ARE THE SOLE RESPONSIBILITY OF THE END USER. ALL DISPOSAL PRACTICES USED FOR THIS PRODUCT AND ITS CONTAINER(S) MUST BE IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. THE INFORMATION PRESENTED IN THIS SDS PERTAINS ONLY TO THE PRODUCT AS SHIPPED.

SECTION 14 TRANSPORTATION INFORMATION

Land Transport  
USDOT

Proper shipping name: PAINT, NOI  
 NOS Components :  
 Hazard class:  
 ID-number:  
 Packing group:  
 Aquatic Toxicity: YES

Sea Transport  
IMDG

Proper shipping name: ENVIRONMENTALLY HAZ SUBSTANCE NOS  
 NOS Components : SILICIC ACID, SODIUM SALT  
 Hazard class: 9  
 ID-number: UN3082  
 Packing group: III  
 Aquatic Toxicity: YES

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Air Transport  
IATA/ICAO

Proper shipping name: ENVIRONMENTALLY HAZ SUBSTANCE NOS  
 NOS Components : SILICIC ACID, SODIUM SALT  
 Hazard class: 9  
 ID-number: UN3082  
 Packing group: III  
 Aquatic Toxicity: YES

SECTION 15 REGULATORY INFORMATION

CAS#	Component				
001344-09-8	SODIUM SILICATE				
US TSCA Inventory	: YES	Canada Domestic Substance List	: YES	EC	: YES
Philippines	: YES	Japan	: YES	Korea	: YES
China	: UNKNOWN	Australia	: YES		

no.	component	CAS#	SARA
1	SODIUM SILICATE	1344-09-8	NO

SECTION 16 OTHER INFORMATION

- H M I S -

HEALTH	: 1	
FLAMMABILITY	: 0	
REACTIVITY	: 0	
PERSONAL PROTECT.:	X	

(X = ask your supervisor for specialized handling directions)

CONTAINERS CAN CONTAIN HAZARDOUS PRODUCT RESIDUES EVEN WHEN EMPTY. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, WE MAKE NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. WE ASSUME NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.