

Safety Data Sheet

Shirt Sour

SDS Revision Date:

05/19/2015

1. Identification

1.1. Product identifier

Product Identity Shirt Sour
Alternate Names Shirt Sour

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Laundry Alkalinity Neutralizer
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Gurtler Industries, Inc.
15475 South LaSalle St.
South Holland, IL 60473 US

Emergency

24 hour Emergency Telephone No. (708) 331-2550
Customer Service: Gurtler Industries, Inc. INFOTRAC - (800) 535-5053

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Acute Tox. 3;H301 Toxic if swallowed.
Acute Tox. 3;H311 Toxic in contact with skin.
Acute Tox. 3;H331 Toxic if inhaled.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.

[Prevention]:



Safety Data Sheet

Shirt Sour

SDS Revision Date:

05/19/2015

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.

P311 Call a POISON CENTER or doctor / physician.

P321 Specific treatment (see information on this label).

P330 Rinse mouth.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P361 Remove / Take off immediately all contaminated clothing.

P363 Wash contaminated clothing before reuse.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sodium silicofluoride CAS Number: 0016893-85-9	30-40	Acute Tox. 3;H331 Acute Tox. 3;H311 Acute Tox. 3;H301	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Remove from exposure. If breathing has stopped, give artificial respiration. Get medical attention.

Eyes

Flush with cool water. Remove contact lenses, if applicable, and continue flushing for at



Safety Data Sheet

Shirt Sour

SDS Revision Date:

05/19/2015

Skin least 15 minutes. Obtain medical attention.
Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Ingestion Get medical attention immediately. Chemical burns must be treated promptly by a physician. Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open, Provide a readily accessible eyewash facility and quick-drench safety shower.

4.2. Most important symptoms and effects, both acute and delayed

Overview **Acute Over Exposure Effects:** Dust may cause irritation to eyes and respiratory tract. Ingestion may cause vomiting, abdominal pain, diarrhea, shortness of breath, difficulty speaking, thirst, muscular weakness, convulsion, loss of consciousness or death. Kidney injury may occur.

Routes of Entry: Inhalation, Skin

Inhalation: May cause irritation to the nose, throat, mucous membranes and lungs. Coughing and difficulty breathing may occur. Repeated or prolonged exposure to excessive concentrations of fluoride compounds may cause fluoride poisoning.

Skin: Contact may cause irritation and burning sensation.

Eye: Contact may cause severe irritation with redness and pain.

Ingestion: Causes gastrointestinal irritation with nausea and vomiting.

Medical Conditions Generally Aggravated by Exposure: Repeated exposure above PEL and TLV to fluoride dust may cause excessive calcification of ligaments of the ribs, pelvis and spinal column. Stiffness and limitation of motion may result.

See section 2 for further details.

Inhalation Toxic if inhaled.

Skin Toxic in contact with skin.

Ingestion Toxic if swallowed.

5. Fire-fighting measures

5.1. Extinguishing media

Product is non-flammable. Use extinguishing media required to control surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Hydrogen fluoride gas

Avoid breathing dust / fume / gas / mist / vapors / spray.

Do not get in eyes, on skin, or on clothing.

5.3. Advice for fire-fighters

Firefighters should wear full protective clothing including self-contained breathing apparatus.

ERG Guide No. ----



Safety Data Sheet

Shirt Sour

SDS Revision Date:

05/19/2015

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Keep unnecessary people away. Isolate hazard area and deny entry. Avoid breathing. With clean shovel, place material into clean, dry container and cover. Move containers from spill site.

Note: Waste is TOXIC!

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Store in original container. Do not store near food or feed since appearance is similar to salt and sugar. Segregate from strong acids.

Incompatible materials: Alkalis, cyanides, active metals (aluminum, magnesium), bleaches.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0016893-85-9	Sodium silicofluoride	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m³ (50 mppcf*) TWA, ACGIH 10 mg/m³.



Safety Data Sheet

Shirt Sour

SDS Revision Date:

05/19/2015

Carcinogen Data

CAS No.	Ingredient	Source	Value
0016893-85-9	Sodium silicofluoride	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

Eyes

Chemical goggles/splash shield required.

Skin

Rubber apron. Wear rubber gloves.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	White to off-white powder
Odor	Odorless
Odor threshold	Not determined
pH	Not Measured
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	Non-flammable
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	Not Measured
Solubility in Water	Negligible
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured



Safety Data Sheet

Shirt Sour

SDS Revision Date:

05/19/2015

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

Strong Oxidizers

10.4. Conditions to avoid

Extreme heat and high energy sources of ignition.

10.5. Incompatible materials

Alkalis, cyanides, active metals (aluminum, magnesium), bleaches.

10.6. Hazardous decomposition products

Hydrogen fluoride gas

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Sodium silicofluoride - (16893-85-9)	125.00, Rabbit - Category: 3	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	3	Toxic if swallowed.
Acute toxicity (dermal)	3	Toxic in contact with skin.
Acute toxicity (inhalation)	3	Toxic if inhaled.
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable



Safety Data Sheet

Shirt Sour

SDS Revision Date:

05/19/2015

Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sodium silicofluoride - (16893-85-9)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN2674	UN2674	UN2674
14.2. UN proper shipping name	UN2674, Sodium fluorosilicate, mixture, 6.1 III	Sodium fluorosilicate, mixture, 6.1 III	Sodium fluorosilicate, mixture, 6.1 III



Safety Data Sheet

Shirt Sour

SDS Revision Date:

05/19/2015

14.3. Transport hazard DOT Hazard Class: 6.1
class(es)

IMDG: Not Applicable
Sub Class: Not Applicable

Air Class: Not Applicable

14.4. Packing group III

III

III

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Sodium silicofluoride

Pennsylvania RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



Safety Data Sheet

Shirt Sour

SDS Revision Date:

05/19/2015

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

End of Document