


SAFETY DATA SHEET		 SOLVAY
TIXOSIL 38AB		
Revision: 1.01 US (EN)	Issuing date: 02/06/2014	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : TIXOSIL 38AB

**DISTRIBUTED BY
R.E. CARROLL INC.
1570 NORTH OLDEN AVENUE
TRENTON, NJ 08638-3204
609-695-6211 / 800-257-9365**

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

no data available

1.3 Details of the supplier of the safety data sheet

Company : Solvay USA Inc.,
SILICA
8 Cedar Brook Drive
Cranbury, NJ, 08512-7500, US
Telephone number: 800-515-6065

1.4 Emergency telephone

USA: FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT:
CHEMTREC (800-424-9300 within the United States or 703-527-3887 for International collect calls) or
Solvay CAERS (Communication and Emergency Response System at 800-916-3232)

SECTION 2: Hazards identification

Although OSHA has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects.

2.1 Classification of the substance or mixture

HCS 2012 (29 CFR 1910.1200)

Not a hazardous product according to Globally harmonized System (GHS)


2.2 Label elements

HCS 2012 (29 CFR 1910.1200)

Not a hazardous product according to Globally harmonized System (GHS)

2.3 Other hazards which do not result in classification

Mild respiratory irritant
By mechanical effect
Slightly irritating to eyes and skin.
NO particular fire or explosion hazard.
Electrostatic charges may build up by swirling, pneumatic transport, pouring etc.

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SECTION 3: Composition/information on ingredients

3.1 Substance

Hazardous Ingredients and Impurities

Chemical Name	Identification number CAS-No.	Concentration [%]
Alternative CAS #: 7631-86-9 Precipitated Amorphous Silica	112926-00-8	>= 97

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Non Hazardous Ingredients and Impurities

Chemical Name	Identification number CAS-No.	Concentration [%]
Sulfuric acid sodium salt (1:2)	7757-82-6	<= 3

3.2 Mixture

Not applicable, this product is a substance.


SECTION 4: First aid measures

4.1 Description of first-aid measures

- | | |
|--------------|--|
| If inhaled | <ul style="list-style-type: none"> : Move to fresh air. Keep at rest. If symptoms persist, call a physician. |
| Skin contact | <ul style="list-style-type: none"> : If on skin, rinse well with water. If skin irritation persists, call a physician. |
| Eye contact | <ul style="list-style-type: none"> : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a physician. |
| Ingestion | <ul style="list-style-type: none"> : Rinse mouth with water. If symptoms persist, call a physician. |

4.2 Most important symptoms and effects, both acute and delayed

- | | |
|-------|---|
| Risks | <ul style="list-style-type: none"> : Skin contact may aggravate existing skin disease Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis |
|-------|---|

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4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician :
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
 - Treat symptomatically.
 - There is no specific antidote available.

SECTION 5: Firefighting measures

- Flash point : Not applicable (nonflammable solid)
- Autoignition temperature : not auto-flammable
- Flammability / Explosive limit :
- Lower flammability/explosion limit : not applicable
 - Upper flammability/explosion limit : not applicable

5.1 Extinguishing media

- Suitable extinguishing media :
- All extinguishing agents can be used.
 - Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire fighting :
- Not combustible.
 - Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.
 - No hazardous combustion products are known


5.3 Advice for firefighters

- Special protective equipment for fire-fighters :
- Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.
- Specific fire fighting methods :
- Use appropriate means for fighting adjacent fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions, protective equipment and emergency procedures :
- Avoid contact with eyes.
 - Safety glasses
 - Personal protective equipment
 - Respiratory protection

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6.2 Environmental precautions

Environmental precautions : No harmful effect to the environment is known or expected under normal conditions of use.

6.3 Methods and materials for containment and cleaning up

Recovery : Sweep up and shovel into suitable containers for disposal.

Decontamination / cleaning : Wash off with plenty of water.

Disposal : Treat recovered material as described in the section "Disposal considerations".

Additional advice : Avoid dust formation.

6.4 Reference to other sections

Reference to other sections : 7. HANDLING AND STORAGE
8. EXPOSURE CONTROLS/PERSONAL PROTECTION
13. DISPOSAL CONSIDERATIONS


SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures : Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.
Ensure all equipment is electrically grounded before beginning transfer operations.

Advice on safe handling and usage : Avoid dust formation.

Hygiene measures : Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:
1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3) Wash exposed skin promptly to remove accidental splashes or contact with material.

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7.2 Conditions for safe storage, including any incompatibilities

Technical Measures for storage : Do not stack the pallets.

Storage conditions

Recommended : Protect from moisture.
Store away from heat.

Packaging Measures

Packaging materials—Recommended : Polypropylene, Paper bags

Storage stability

Storage temperature : no data available

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

Introductory Remarks:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1 Control parameters

Ingredients with workplace control parameters


Ingredients	Value type	Value	Basis
Precipitated Amorphous Silica	TWA	6 mg/m3	OSHA Z-1-A

8.2 Exposure controls

Control measures

Engineering measures : Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures :

Local exhaust
Dust must be extracted directly at the point of origin.

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Personal protective equipment

Respiratory protection

- : When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by the appropriate local standard(s):
Respirator with a dust filter

Hand protection

- : For prolonged or repeated contact use protective gloves.

Eye protection

- : Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

Eye contact should be prevented through the use of:

Safety glasses

Skin and body protection

- : Long sleeved clothing

Hygiene measures

- : Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:
 - 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
 - 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
 - 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

Protective measures

- : The protective equipment must be selected in accordance with current local standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use.


SECTION 9: Physical and chemical properties

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

9.1 Information on basic physical and chemical properties

Appearance


- : Form : Amorphous powder
Physical state: solid
Color: white

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Particle size	: ca. 10 - 20 µm
Odor	: None.
Odor Threshold	: not applicable
pH	: 5.0 - 9.0 (5 % (m/v)) (aqueous suspension)
Melting point/range	: > 3,092 °F (> 1,700 °C)
Boiling point/boiling range	: not applicable
Sublimation point	: not applicable
Flash point	: Not applicable (nonflammable solid)
Evaporation rate (Butylacetate = 1)	: not applicable
Flammability (solid, gas)	: not applicable
Flammability / Explosive limit	: Lower flammability/explosion limit: not applicable Upper flammability/explosion limit: not applicable
Autoignition temperature	: not auto-flammable
Vapor pressure	: not applicable
Vapor density	: not applicable
Density	: 2.1 g/cm ³ Intrinsic Bulk density : ca. 200 - 230 kg/m ³ Packaged Product
Solubility	: Water solubility : ca. 120 - 160 mg/l Solubility in other solvents: no data available
Partition coefficient: n-octanol/water	: not applicable
Thermal decomposition	: not applicable
Viscosity	: Viscosity, dynamic : not applicable Viscosity, kinematic : not applicable
Explosive properties	: not applicable
Oxidizing properties	: Not considered as oxidizing.

9.2 Other information

Oxidation / Reduction Potential	: not applicable
Molecular weight	: 60.2 g/mol

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SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity : No hazards to be specially mentioned.

10.2 Chemical stability

Chemical stability : Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

spontaneous polymerization : Hazardous polymerization does not occur.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : Chlorine trifluoride
Fluorine
Hydrogen fluoride
Oxygen Difluoride
Strong oxidizing agents

10.6 Hazardous decomposition products

Decomposition products : No hazardous decomposition products are known.

SECTION 11: Toxicological information


11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50 : > 5,000 mg/kg - rat
Unpublished reports

Acute inhalation toxicity : Risk of physical blockage of the upper respiratory tract
By analogy
An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity : LD50 : > 5,000 mg/kg - rabbit
Unpublished reports

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Acute toxicity (other routes of administration) : no data available

Skin corrosion/irritation

Skin irritation : Prolonged or repeated contact may dry skin and cause irritation.

Serious eye damage/eye irritation

Eye irritation : Dust contact with the eyes can lead to mechanical irritation.

Respiratory or skin sensitization

Sensitization : Humans
no cutaneous sensitization reaction observed
Unpublished reports

Mutagenicity

Genotoxicity in vitro : In vitro tests did not show mutagenic effects
Unpublished reports

Genotoxicity in vivo : In vivo tests did not show mutagenic effects
Unpublished reports

Carcinogenicity

Carcinogenicity : rat
Oral exposure
Animal testing did not show any carcinogenic effects.
Unpublished reports

mouse
Oral exposure
Animal testing did not show any carcinogenic effects.
Unpublished reports

This product does not contain any ingredient designated as probable or suspected human carcinogens by:

NTP
IARC
OSHA
ACGIH

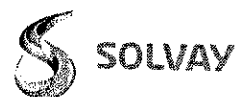
Toxicity for reproduction and development

Toxicity to reproduction / fertility : Fertility and developmental toxicity tests did not reveal any effect on reproduction.
Published data

Developmental Toxicity/Teratogenicity : no data available

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STOT

STOT-single exposure

: Toxicology Assessment
The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT-repeated exposure

: Toxicology Assessment:
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

If inhaled No irreversible effect or symptom of silicosis were observed during the inhalation toxicity tests.
Unpublished reports

Oral exposure No irreversible effects were observed during chronic oral toxicity tests.
Unpublished reports

Neurological effects

Neurological effects

: No neurotoxic effects observed.

Experience with human exposure

Experience with human exposure : Inhalation : Mild respiratory irritant
Unpublished reports

Aspiration toxicity

Aspiration toxicity : not applicable

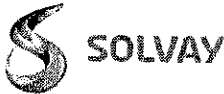
SECTION 12: Ecological information**12.1 Toxicity****Aquatic Compartment**

Acute toxicity to fish : LC50 - 96 h : > 10,000 mg/l - Danio rerio (zebra fish)
Unpublished reports

Acute toxicity to daphnia and other aquatic invertebrates. : LC50 - 24 h : > 1,000 mg/l - Daphnia magna (Water flea)
Unpublished reports

Ecotoxicity assessment

Acute aquatic toxicity : The product does not have any known adverse effects on the aquatic organisms tested

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12.2 Persistence and degradability

Biodegradability

Biodegradability : Not applicable, mineral product

12.3 Bioaccumulative potential

Bioconcentration factor (BCF) : Not bioaccumulable.
Published data

12.4 Mobility in soil

Known distribution to environmental compartments : Ultimate destination of the product: Soil
Ultimate destination of the product: Sediment

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal

Advice on Disposal : Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Advice on cleaning and disposal of packaging

Advice : Cleaning is not required prior to disposal.

Other data : Dispose of in accordance with local regulations.

SECTION 14: Transport information


DOT

Not Regulated

TDG

Not Regulated

IMDG

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Not Regulated

IATA

Not Regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15: Regulatory information

15.1 Notification status

United States TSCA Inventory	: y (positive listing) On TSCA Inventory
Canadian Domestic Substances List (DSL)	: y (positive listing) All components of this product are on the Canadian DSL.
Australia Inventory of Chemical Substances (AICS)	: y (positive listing) On the inventory, or in compliance with the inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	: y (positive listing) On the inventory, or in compliance with the inventory
Korea. Korean Existing Chemicals Inventory (KECI)	: y (positive listing) On the inventory, or in compliance with the inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	: y (positive listing) On the inventory, or in compliance with the inventory


15.2 Federal Regulations

Inventory issues

: for USA Inventory (TSCA) purposes, this product is identified as:
Silica (CAS-No.: 7631-86-9)

SARA 311/312 Hazards

Fire Hazard	no
Reactivity Hazard	no
Sudden Release of Pressure Hazard	no
Acute Health Hazard	yes
Chronic Health Hazard	no

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SARA 313

: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302

: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Reportable Quantity

This material does not contain any components with a SARA 302 RQ.

15.3 State Regulations

California Prop 65

: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

SECTION 16: Other information

NFPA-Classification


Health	:	1 slight
Flammability	:	0 minimal
Instability or Reactivity	:	0 minimal

HMIS-Classification

Health	:	1 slight
Flammability	:	0 minimal
Reactivity	:	0 minimal

Further information

Date Prepared	:	02/06/2014
Further information	:	Product classified under the US GHS format.

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Key or legend to abbreviations and acronyms used in the safety data sheet

TWA	: 8-hour time weighted average
ACGIH	: American Conference of Governmental Industrial Hygienists
OSHA	: Occupational Safety and Health Administration
WHMIS	: Workplace Hazardous Materials Information System
NTP	: National Toxicology Program
IARC	: International Agency for Research on Cancer
Solvay OEL	: SAEL (Solvay Acceptable Exposure Limit)
NIOSH	: National Institute for Occupational Safety and Health
NFPA	: National Fire Protection Association
HMIS	: Hazardous Materials Identification System (Paint & Coating)

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.