

FABRIC GUARD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

1.1. Identification

Product form : Mixture
Product name : FABRIC GUARD
Product code : GT73901,05,55

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

Use of the substance/mixture : Stain and spill resisting treatment

1.3. Details of the supplier of the safety data sheet

Gliptone Manufacturing Inc.
1740 Julia Goldbach Avenue
Ronkonkoma, NY 11779 - United States of America
T 1-631-285-7250 - F 1-631-589-5487
www.gliptone.com

1.4. Emergency telephone number

Emergency number : 1-800-424-9300 International: 1-703-527-3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Liq. 3 H226 - Flammable liquid and vapour
Asp. Tox 1 H304 - Aspiration hazard
Skin Irrit. 2 H315 - Causes skin irritation
STOT SE 3 H336 - May cause drowsiness or dizziness
Muta. 1B H340 - Germ cell mutagenicity
Carc. 1B H350 - Carcinogenicity
STOT RE 1 H372 - Causes damage to organs through prolonged or repeated exposure
Full text of H-phrases: see section 16

Hazards not otherwise classified

Harmful to aquatic life with long lasting effects (GHS category 3: aquatic toxicity - acute and chronic). May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).

The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure. The product is combustible and can be ignited by potential ignition sources.

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H226 - Flammable liquid and vapor
H304 - Aspiration hazard
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H340 - Germ cell mutagenicity
H350 - Carcinogenicity
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements - prevention

Precautionary statements - prevention

Obtain special instructions before use.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe dust/fume/gas/mist/vapors/spray.

Precautionary statements - response

IF SWALLOWED: immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.

FABRIC GUARD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Precautionary statements - storage

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

Hazardous ingredients for labelling Stoddard Solvent, ethylbenzene, odorless mineral spirits, xylene, titanium tetraisopropanolate

2.3. Other hazards

Repeated exposure may cause skin dryness or cracking.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name of substance	Identifier	Wt%	Hazard class and category	Hazard statement	Pictograms
odorless mineral spirits	CAS No 64742-48-9	≥ 90	B.6 Flam. Liq. 3 A.2 Skin Irrit. 2 A.8D STOT SE 3 A.10 Asp. Tox. 1	H226 H315 H336 H304	  
Stoddard Solvent	CAS No 8052-41-3	1 - < 5	B.6 Flam. Liq. 3 A.5 Mutagen. 1B A.6 Carc. 1B A.9 STOT RE 1 A.10 Asp. Tox. 1	H226 H340 H350 H372 H304	 
titanium tetraisopropanolate	CAS No 546-68-9	1 - < 5	B.6 Flam. Liq. 3 A.3 Eye Irrit. 2A A.8D STOT SE 3	H226 H319 H336	 

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- | | |
|---------------------------------------|--|
| First-aid measures general | : IF exposed or concerned: Get medical advice/attention. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Obtain medical attention. |
| First-aid measures after skin contact | : Remove/Take off immediately all contaminated clothing. Wash skin thoroughly with mild soap and water. Wash clothing before re-using. If irritation persists, consult a doctor. |
| First-aid measures after eye contact | : Rinse thoroughly with plenty of water for at least 20 minutes and take medical advice. |
| First-aid measures after ingestion | : Do NOT induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |

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

- | | |
|--------------------------------------|---|
| Symptoms/injuries after inhalation | : Can occur: irritation. |
| Symptoms/injuries after skin contact | : Can occur: irritation. |
| Symptoms/injuries after eye contact | : Can occur: irritation. |
| Symptoms/injuries after ingestion | : Can occur: irritation. Aspiration hazard. Fatal if swallowed. |

SECTION 5: Firefighting measures

5.1. Extinguishing media

- | | |
|--------------------------------|--|
| Suitable extinguishing media | : Dry powder. Foam. Carbon dioxide. Water fog. |
| Unsuitable extinguishing media | : Do not use water jet. |

FABRIC GUARD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

5.2. Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2)

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Keep public away.

6.1.1. For non-emergency personnel

Protective equipment : Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

Emergency procedures : NO open flames, NO sparks, and NO smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Retain contaminated washing water and dispose it.

6.3. Methods and material for containment and cleaning up

For containment : Eliminate ignition sources.

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection"".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Harmful liquid. Extremely flammable liquid.

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Safe use of the product : Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY BURST AND CAUSE INJURY OR DEATH.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

FABRIC GUARD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
- Storage area : Empty containers should be taken for recycle, recovery or waste in accordance with local regulation.
- Special rules on packaging : Always keep in containers made of the same material as the supply container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Source
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000			29 CFR OSHA
US	stoddard solvent	8052-41-3	PEL	500	2,900			29 CFR OSHA
US	xylene, mixture of isomers	1330-20-7	PEL	100	435			29 CFR OSHA

Notation

- STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified.
- TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average.

Relevant DNELs/DMELs/PNECs and other threshold levels: No data available.

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : Impermeable protective gloves. Wear long sleeves. Use protective clothing.
- Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls : Avoid release to the environment.
- Other information : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Color : Colorless
- Odor : Petroleum-like, Characteristic odor
- Odor threshold : No data available
- pH : No data available
- Melting point : Not applicable
- Freezing point : No data available
- Boiling point : 157.2 °C at 101.3 kPa
- Flash point : 49 °C at 101.3 kPa (closed cup)
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available
- Explosion limits : lower explosion limit (LEL) 0.7 vol%
upper explosion limit (UEL) 6 vol%
- Vapor pressure : 1.33 hPa at 63.2 °C
- Relative density : 0.75 - 0.77 g/cm³ at 25 °C
- Solubility : insoluble in water.

FABRIC GUARD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Log Pow	: No data available
Auto-ignition temperature	: 343 °C
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, No sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Keep away from: strong acids, strong bases and oxidation agents. Attacks many plastics, rubber, coatings.

10.6. Hazardous decomposition products

Combustion produces irritating gases. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200) Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Causes skin irritation.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Summary of evaluation of the CMR properties

May cause genetic defects. May cause cancer.

Shall not be classified as a reproductive toxicant.

Carcinogenicity

• National Toxicology Program (United States): none of the ingredients are listed

• IARC Monographs none of the ingredients are listed

Specific target organ toxicity (STOT)

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

FABRIC GUARD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity (acute)

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
titanium tetraisopropanolate	546-68-9	EC50	590 mg/l	aquaticinvertebrates	48 hours
titanium tetraisopropanolate	546-68-9	ErC50	>820 mg/l	algae	72 hours

Aquatic toxicity (chronic)

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
odorless mineral spirits	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
titanium tetraisopropanolate	546-68-9	EC50	>770 mg/l	aquaticinvertebrates	24 h

12.2 Process of degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Stoddard Solvent	8052-41-3		7.15	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Solvent reclamation/regeneration

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled.
Handle contaminated packages in the same way as the substance itself.

Additional information

FABRIC GUARD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description

: UN1993 FLAMMABLE LIQUID, N.O.S.

UN-No.(DOT)

: UN1993

Proper Shipping Name (DOT)

: Odorless Mineral Spirits

Hazard Classes (DOT)

: 3 - Class 3 - Flammable liquids

Hazard labels (DOT)

: 3 - Flammable liquid



Packing group (DOT)

: III - Minor Danger

DOT Packaging Non Bulk (49 CFR 173.xxx)

: 128

DOT Packaging Bulk (49 CFR 173.xxx)

: The cargo is not intended to be carried in Bulk.

DOT Special Provisions (49 CFR 172.102)

: B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable., B52,
 IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 223, 274, 955

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

Other information : No supplementary information available.

TDG

No additional information available

Transport by sea

UN-No. (IMDG) : 1993

Proper Shipping Name (IMDG) : Flammable Liquid, n.o.s.

Class (IMDG) : 3

Packing group (IMDG) : III - substances presenting low danger

Air transport

No additional information available

FABRIC GUARD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 15: Regulatory information

15.1. US Federal regulations

Industry or sector specific available guidance(s)

- **NPCA-HMIS®III**

Hazardous Materials Identification System (American Coatings Association)

Category	Rating	Description
Chronic	*	Chronic (long-term) health effects may result from repeated overexposure.
Health	2	Temporary or minor injury may occur.
Flammability	2	Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.
Physical hazard	0	Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives.
Personal protective equipment	-	

- **NFPA® 704**

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States) - National Fire Protection Association (United States)

Category	Degree of hazard	Description
Flammability	2	Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.
Health	0	Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material.
Instability	0	Materials that are normally stable, even under fire conditions.
Special hazard		

Relevant European Union (EU) safety, health and environmental provisions

Classification according to GHS (1272/2008/EC, CLP)

Flammable liquids	Cat. 3	(Flam. Liq.3)
Skin corrosion/irritation	Cat. 2	(Skin Irrit. 2)
Germ cell mutagenicity	Cat. 1B	(Muta. 1B)
Carcinogenicity	Cat. 1B	(Carc. 1B)
Specific target organ toxicity - single exposure (narcotic effects, drowsiness)	Cat. 3	(STOT SE 3)
Specific target organ toxicity - repeated exposure	Cat. 2	(STOT RE 2)
Aspiration hazard	Cat. 1	(Asp. Tox. 1)
Harmful to aquatic life with long lasting effects (GHS category 3: aquatic toxicity - acute and chronic). May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).		

FABRIC GUARD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 2	Carcinogenicity Category 2
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

- NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material.
- NFPA fire hazard : 2 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
- HMIS III Rating
- Health : 2 Moderate Hazard - Temporary or minor injury may occur
- Flammability : 2 Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.
- Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Legend: ACGIH: American Conference of Governmental Industrial Hygienists

NIOSH: National Institute of Occupational Safety and Health

CAS: Chemical Abstract Services

DOT: Department of Transportation

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

N/Av: not available

OSHA: Occupational Safety and Health Administration

SARA: Superfund Amendments & Reauthorization Act

TLV: Threshold Limit Values

CFR: Code of Federal Regulations

EPA: Environmental Protection Agency

N/AP: not applicable

NFPA: National Fire Protection Association

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TSCA: Toxic Substance Control Act

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product