

SAFETY DATA SHEET

Safety Data Sheet (SDS) according to the Global Harmonized System

English

Revision date 25-Jun-2013

Version 1

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

1.1 Product identifier

Product name Gila Window Film Application Solution

Product code 50032

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

Recommended Use Wetting agent

Uses advised against None known

1.3 Details of the supplier of the safety data sheet

Manufacturer

Performance Films
A wholly owned subsidiary of Solutia Inc.
4129 The Great Road, Fieldale, VA 24089, USA
Telephone(s): Emergency/Product Information
001-276-627-3000 (USA)

Supplier

Solutia Europe SPRL/BVBA
A subsidiary of Eastman Chemical Company
Corporate Village Aramis Building Leonardo Da Vincilaan 1,
B-1930 Zaventem - Belgium
Tel.: +32(0)2 746 50 00
Fax: +32(0)2 746 57 00

For further information, please contact:

E-mail address SDS.Europe@Solutia.com

1.4 Emergency telephone number

+44 (0) 1633 754280 (Europe)

(National phone numbers)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification

The preparation is non-dangerous in accordance with Directive 1999/45/EC.

R-phrases(s)

None

For the full text of the R-phrases mentioned in this Section, see Section 16

2.2 Label Elements

Hazard symbols

None

R-phrases(s)

None

S-phrases(s)

None

Chemical name Not applicable

2.3 Other hazards

None known

SECTION 3: Composition/information on ingredients

3.1 Substances

Not Applicable

3.2 Mixtures

Chemical name	EC-No	CAS-No	Weight %	Classification (67/548/EEC)	Classification (Reg. EU 1272/2008)	REACH registration number
Water	231-791-2	7732-18-5	85 - 95	Not classified	Not classified	Not applicable
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	Not applicable	9005-64-5	1 - 10	Not classified	Not classified	Not applicable
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	246-985-2	25446-78-0	1 - 5	Xi;R36, Xi;R41, R52/53	Skin Irrit. Cat 2 - H315 Serious Eye Dam. Cat 1 - H318 Aquatic Chronic Cat 3 - H412	Not applicable

Note

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

When symptoms persist or in all cases of doubt seek medical advice. If unconscious, place in recovery position and get medical attention immediately. Show this material safety data sheet to the doctor in attendance.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting unless directed to do so by a physician. Get medical attention if symptoms occur.

Inhalation

Keep victim warm and quiet. Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Main symptoms

May cause eye irritation with susceptible persons.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards arising from the substance or mixture

Heating causes rise in pressure with risk of bursting.

5.3 Advice for firefighters

Special protective equipment for fire-fighters

Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.

Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Move containers from fire area if you can do it without risk. Cool containers / tanks with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Do not touch or walk through spilled material. Wear personal protective equipment. Ensure adequate ventilation.

Advice for emergency responders

Use personal protective equipment. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

6.3 Methods and materials for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

6.4 Reference to other sections

Use personal protection recommended in Section 8. See Section 13: DISPOSAL CONSIDERATIONS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on general occupational hygiene

Handle in accordance with good industrial hygiene and safety practice. Ensure that eyewash stations and safety showers are close to the workstation location. Use personal protection recommended in Section 8. It is a good industrial hygiene practice to minimize skin contact. Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep only in the original container. Keep container tightly closed in a dry and well-ventilated place. Protect from direct sunlight. Store away from incompatible materials. Keep away from food, drink and animal feeding stuffs. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.

Packaging material

Keep/store only in original container

7.3 Specific end use(s)

No information available

Other guidelines

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2 Exposure controls**Engineering measures**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Eyewash stations.

Personal protective equipment**Eye protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Hand protection

For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn: Polyvinylchloride, Rubber gloves.

Skin and body protection

Lightweight protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment, Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Liquid
Color	Colorless
Odor	Odorless
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	7 - 8	
Melting point/freezing point	~ 0 °C	
Boiling point/boiling range	~ 100 °C	
Flash point	No information available	Not applicable
Evaporation rate	No information available	
Specific gravity	1.002	
Flammability (solid, gas)	Not flammable	
Flammability Limits in Air		Not Applicable
Upper flammability limit	No information available	
Lower flammability limit	No information available	

Vapor pressure	No information available	
Vapor density	No information available	
Water solubility		Miscible with water
Solubility in other solvents	No information available.	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Viscosity, kinematic	No information available	
Viscosity, dynamic	No information available	
Explosive properties	Not explosive.	
Oxidizing properties	Not oxidizing.	

9.2 OTHER INFORMATION

Density 1002 kg/m³

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

Hazardous polymerization

Hazardous polymerization does not occur.

Hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Do not freeze.

10.5 Incompatible Materials

No materials to be especially mentioned.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 oral: See table below
LD50 dermal: See table below
LC50 Inhalation: See table below

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	90 mL/kg (Rat)	No data available	No data available
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	> 33000 mg/kg b.w. (Rat)	No data available	No data available
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	No data available	No data available	No data available

Conclusion

Ingestion Not sufficient for classification
Skin contact There is no data available for this product.
Inhalation There is no data available for this product.

Irritation/Corrosion**Skin corrosion/irritation**

Product Information No information available.

Chemical name	Method	Species	Irritation score	Exposure time	Conclusion
Water	No information available	No information available	No information available	No information available	Not available.
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	No information available	No information available	No information available	No information available	Not available.
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	No information available	No information available	No information available	No information available	Not available.

Conclusion Not sufficient for classification.

Serious eye damage/eye irritation

Product Information No information available.

Chemical name	Method	Species	Irritation score	Exposure time	Conclusion
Water	No information available	No information available	No data available	No data available	Not available.
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	No information available	No information available	No data available	No data available	Not available.
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	No information available	No information available	No data available	No data available	Not available.

Conclusion Not sufficient for classification.

Sensitization

Skin sensitization No information available.

Respiratory sensitization No information available

Chemical name	Method	Species	Result
Water	No information available	No information available	Not available.
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	No information available	No information available	Not available.

Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	No information available	No information available	Not available.
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Conclusion

Not sufficient for classification.

Repeated dose toxicity

Chemical name	Method	Test type	Exposure route	Species	Effect dose	Dose value
Water	No information available	No information available	No information available	No information available	No information available	No data available
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	No information available	No information available	No information available	No information available	No information available	No data available
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	No information available	No information available	No information available	No information available	No information available	No data available

Conclusion

Not sufficient for classification.

Carcinogenicity

Chemical name	Method	Exposure route	Species	Effect dose	Dose value	Result
Water	No information available	No information available	No information available	No information available	No data available	Not available.
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	No information available	No information available	No information available	No information available	No data available	Not available.
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	No information available	No information available	No information available	No information available	No data available	Not available.

Conclusion

Not sufficient for classification.

Germ cell mutagenicity

Chemical name	Test Method	Test type	Species	Result
Water	No information available	No information available	No information available	Not available
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	No information available	No information available	No information available	Not available
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	No information available	No information available	No information available	Not available

Conclusion

Not sufficient for classification.

Toxicity to Reproduction

Effects on fertility

Chemical name	Method	Species	Exposure route	Dose value	Effects on fertility
Water	No information available	No information available	No information available	No data available	No information available.
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	No information available	No information available	No information available	No data available	No information available.
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	No information available	No information available	No information available	No data available	No information available.

Developmental toxicity

Chemical name	Test Method	Species	Exposure route	Dose value	Conclusion
Water	No information available	No information available	No information available	No data available	Not available.
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	No information available	No information available	No information available	No data available	Not available.
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	No information available	No information available	No information available	No data available	Not available.

Conclusion **Not sufficient for classification.**

Specific target organ toxicity (single exposure)

Conclusion **Not relevant for the product itself.**

Specific target organ toxicity (repeated exposure)

Conclusion **Not relevant for the product itself.**

Aspiration hazard

Not relevant for the product itself.

Other adverse effects

No information available.

SECTION 12: Ecological information

12.1 Toxicity**Acute aquatic toxicity***Product Information***Property****96-hour LC50 - Fish****48-hour EC50 - Aquatic invertebrates****72-hour EC50 - Algae/aquatic plants****Result**

No data available

No data available

No data available

Species

No information available

No information available

No information available

Component Information

Chemical name	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to algae
Water	Not available	Not available	Not available
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	Not available	Not available	Not available
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	Not available	Not available	Not available

Chronic aquatic toxicity

Component Information No information available

Conclusion

Not sufficient for classification.

12.2 Persistence and degradability*Product Information*

No information available.

Component Information

Chemical name	Method	Biodegradability
Water	Not available	No information available.
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	Not available	No information available.
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	Not available	No information available.

Chemical name	Aquatic half-life	Temperature
Water	No information available	No information available
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	No information available	No information available
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	No information available	No information available

Conclusion

Not sufficient for classification.

12.3 Bioaccumulative potential*Component Information*

Chemical name	Bioconcentration factor (BCF)	log Pow
Water	No data available	No data available
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	No data available	No data available
Ethanol, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	No data available	No data available

Conclusion

Not sufficient for classification.

12.4 Mobility in soil**Mobility**

No information available.

12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)
 This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

12.6 Other adverse effects.

No information available

Section 13: Disposal considerations

13.1 Waste treatment methods**General advice**

The generation of waste should be avoided or minimized wherever possible.

Waste from residues / unused products

Dispose of in accordance with local regulations. Should not be released into the environment.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Disposal considerations

Do not flush into surface water or sanitary sewer system.

OTHER INFORMATION

No information available.

SECTION 14: Transport information

ADR/RID

14.1 UN/ID no	Not regulated Not applicable
14.2 Proper shipping name	Not applicable
14.3 Hazard Class	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental Hazard	Not applicable
14.6 Special precautions for user	No information available.
Additional Information	

IMDG

14.1 UN/ID no	Not regulated Not applicable
14.2 Proper shipping name	Not applicable
14.3 Hazard Class	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental Hazard	Not applicable
14.6 Special precautions for user	No information available
14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code	Not applicable

IATA

14.1 UN/ID no	Not regulated Not applicable
14.2 Proper shipping name	Not applicable

14.3 Hazard Class	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental Hazard	Not applicable
14.6 Special precautions for user	No information available

Section 15: Regulatory information

International Inventories

TSCA (US)	Complies
EINECS/ELINCS (EU)	Complies
DSL/NDSL (Canada)	Complies
PICCS (Philippines)	Complies
ENCS (Japan)	-
IECSC (China)	Complies
AICS (Australia)	Complies
KECL (Korea)	Complies
NZIoC (New Zealand)	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 and 3

H315 - Causes skin irritation

H318 - Causes serious eye damage

H412 - Harmful to aquatic life with long lasting effects

Revision date 25-Jun-2013

Revision Note Not applicable.

Disclaimer

The information provided in this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet