

# 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** FILM ON  
**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**

<b>Physical State</b>	Liquid
<b>Appearance</b>	Liquid
<b>Color</b>	Colorless
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No information available

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

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

## 9.2 OTHER INFORMATION

**Density** 1002 kg/m<sup>3</sup>

## **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**

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

**IMDG**

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

**IATA**

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