



## Factor II, Incorporated

The Art, Science and Technology of  
Silicones and Prosthetics...

## Safety Data Sheet

Product Code: F-901

Revision Date: 02/24/2015

### SECTION 1: IDENTIFICATION

#### PRODUCT IDENTIFIER

Product Name        Separating Film

Product Code        F-901

Intended Use(s) :    For professional use only

#### CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

Factor II, Incorporated  
5642 White Mountain Ave  
PO Box 1339  
Lakeside AZ 85929  
928-537-8387  
[www.factor2.com](http://www.factor2.com)  
[sales@factor2.com](mailto:sales@factor2.com)

#### EMERGENCY TELEPHONE NUMBERS

928- 368-7502

### SECTION 2: HAZARD IDENTIFICATION

#### **Classification of the substance or mixture**

Acute Tox. 2	H300    Fatal if swallowed.
STOT RE 1	H372    Causes damage to organs through prolonged or repeated exposure.
Acute Tox. 4	H332    Harmful if inhaled.
Skin Irrit. 2	H315    Causes skin irritation.
Skin Sens. 1	H317    May cause an allergic skin reaction.
STOT SE 3	H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
Eye Irrit. 2B	H320    Causes eye irritation.



## Factor II, Incorporated

The Art, Science and Technology of  
Silicones and Prosthetics...

## Safety Data Sheet

Product Code: F-901

Revision Date: 02/24/2015

### Additional information

The information provided is in regards to the toxicity and hazard rating(s) of the individual component(s) in the formulation. The associated risk(s) depends on the route(s) of exposure. The hazard rating system is based entirely on the existence of the risk(s) and does not take into account the likelihood of reduced risk(s) through proper usage and handling.

### Label elements

#### GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

#### Hazard pictograms



Signal word

Danger

#### Hazard-determining components of labeling:

ethyl alcohol  
pentasodium triphosphate

#### Hazard statements

Fatal if swallowed.  
Harmful if inhaled.  
Causes skin and eye irritation.  
May cause an allergic skin reaction.  
May cause respiratory irritation. May cause drowsiness or dizziness.  
Causes damage to organs through prolonged or repeated exposure.

#### Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.  
Contaminated work clothing must not be allowed out of the workplace.  
If swallowed: Immediately call a poison center/doctor.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Classification system:

##### NFPA ratings (scale 0 - 4)

Health	2
Fire	2
Reactivity	0



## Factor II, Incorporated

The Art, Science and Technology of  
Silicones and Prosthetics...

## Safety Data Sheet

Product Code: F-901

Revision Date: 02/24/2015

### HMIS-ratings (scale 0 - 4)

Health	2
Fire	2
Reactivity	0

### Other hazards

#### Results of PBT and vPvB assessment

PBT	Not applicable.
vPvB	Not applicable.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:           **Mixtures**

**Description: Mixture of the substances listed below with nonhazardous additions.**

Dangerous components:		
64-17-5	ethyl alcohol	5-10%
56-81-5	glycerol	1-5%

### Additional information

If a substance is marked with \*\*, then substance is a trade secret. This is allowed under OSHA's Hazard Communication Standard (HCS) as a trade secret and under GHS as Confidential Business Information (CBI).

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

#### General information

Immediately remove any clothing soiled by the product.  
If symptoms persist consult doctor.

#### After inhalation

Supply fresh air or oxygen; call for doctor.  
In case of unconsciousness place patient stably inside position for transportation.  
Do not use mouth to mouth or mouth to nose resuscitation.

#### After skin contact

Immediately wash with water and soap and rinse thoroughly.  
Seek medical treatment.

#### After eye contact

Protect unharmed eye.  
Rinse opened eye for several minutes under running water. Then consult a doctor.



## Factor II, Incorporated

The Art, Science and Technology of  
Silicones and Prosthetics...

## Safety Data Sheet

Product Code: F-901

Revision Date: 02/24/2015

### After swallowing

Do not induce vomiting; immediately call for medical help.  
Rinse out mouth and then drink plenty of water.

### Information for doctor:

#### Most important symptoms and effects, both acute and delayed

Allergic reactions

#### Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## SECTION 5: FIRE FIGHTING MEASURES

### Extinguishing media

#### Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use firefighting measures that suit the environment.

#### For safety reasons unsuitable extinguishing agents

Water with full jet

#### Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

### Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

### Additional information

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Remove persons from danger area.

Avoid contact with the eyes and skin.

Wear protective clothing.

### Environmental precaution

Do not allow product to reach sewage system or any water course.

Do not allow to penetrate the ground/soil.

### Methods and material for containment and cleaning up

Absorb liquid components with liquid-binding material.

Dispose of the collected material according to regulations.



## Factor II, Incorporated

The Art, Science and Technology of  
Silicones and Prosthetics...

## Safety Data Sheet

Product Code: F-901

Revision Date: 02/24/2015

### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: HANDLING AND STORAGE

### Handling

#### Precautions for safe handling

Observe instructions for use.

Ensure good ventilation/exhaustion at the workplace.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

#### Information about protection against explosions and fires

No special measures required.

### Storage:

#### Requirements to be met by storerooms and receptacles

Store only in unopened original receptacles.

#### Information about storage in one common storage facility

Store away from foodstuffs.

#### Further information about storage conditions

Observe instructions for use / storage.

### Specific end use(s)

No further relevant information available.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7.

### Control parameters

Components with limit values that require monitoring at the workplace	
64-17-5 ethyl alcohol	
PEL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
TLV	Short-term value: 1880 mg/m <sup>3</sup> , 1000 ppm
56-81-5 glycerol	
PEL	Long-term value: 15* 5** mg/m <sup>3</sup>
	mist; *total dust **respirable fraction
TLV	TLV withdrawn-insufficient data human occup. exp.

Additional information: The lists that were valid during the creation were used as basis.



**Exposure controls**

**Personal protective equipment**

**General protective and hygienic measures**

The usual precautionary measures for handling chemicals should be followed.

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing.

**Breathing equipment**

Suitable respiratory protective device recommended.

**Protection of hands**

Protective gloves

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection**

Safety glasses

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Based on typical material)**

**Information on basic physical and chemical properties**

Appearance

Form

Viscous

Color

Colorless

Odor

Alcohol-like

Odor threshold

Not determined.

pH-value

Not determined.

Change in condition

Melting point/Melting range

Undetermined.

Boiling point/Boiling range

Undetermined.

Flash point

Not applicable.

Flammability (solid, gaseous)

Not applicable.

Ignition temperature

Undetermined.

Decomposition temperature

Not determined.

Auto igniting

Product is not self-igniting.

Danger of explosion

Product does not present an explosion hazard.



## Factor II, Incorporated

The Art, Science and Technology of  
Silicones and Prosthetics...

## Safety Data Sheet

Product Code: F-901

Revision Date: 02/24/2015

Explosion limits:	
Lower	0.9 Vol %
Upper	15.0 Vol %
Vapor pressure	Not determined.
Density: Not determined.	
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with Water	Fully miscible.
Partition coefficient (n-octanol/water)	Not determined.
Viscosity	
Dynamic	Not determined.
Kinematic	Not determined.
Solvent content	
Organic solvents	11.5 %
Water	86.8 %
VOC content	7.7 %

**Other information** No further relevant information available.

### SECTION 10: STABILITY AND REACTIVITY DATA

**Reactivity** No further relevant information available.

**Chemical stability** Stable at ambient temperature.

**Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials** Reacts with strong oxidizing agents.

**Hazardous decomposition products** Carbon monoxide

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

##### Acute toxicity

##### LD/LC50 values that are relevant for classification

No further relevant information available.

#### Primary irritant effect

**on the skin** Irritant to skin and mucous membranes.

**on the eye** Irritating effect.



## Factor II, Incorporated

The Art, Science and Technology of  
Silicones and Prosthetics...

## Safety Data Sheet

Product Code: F-901

Revision Date: 02/24/2015

**Sensitization** Sensitization possible through skin contact.

### Experience with humans

May cause damage to central nervous system.  
May cause damage to liver.  
May cause damage to lungs.

### Additional toxicological information

The product shows the following dangers according to internally approved calculation methods for preparations: *Irritant*

### Carcinogenic categories

#### IARC (International Agency for Research on Cancer)

ethyl alcohol 1

#### NTP (National Toxicology Program)

None of the ingredients is listed.

#### OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

### Carcinogenic categories' legend:

IARC Group 1	The agent is carcinogenic to humans.
IARC Group 2A	The agent is probably carcinogenic to humans.
IARC Group 2B	The agent is possibly carcinogenic to humans.
IARC Group 3	The agent is not classifiable as to its carcinogenicity to humans.
IARC Group 4	The agent is probably not carcinogenic to humans.
NTP K	Known to be human carcinogen.
NTP R	Reasonably anticipated to be human carcinogen.

### Additional carcinogenic information

The substance ethyl alcohol, also known as ethanol, is listed by IARC as a Group 1 carcinogen but in alcoholic beverage consumption. IARC Volume 100E (2012) "Personal Habits and Indoor Combustions" stated in its monograph "Consumption of Alcoholic Beverages" the following evaluation: "Ethanol in alcoholic beverages is carcinogenic to humans (Group 1)." GC products are not consumable alcoholic beverages

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Aquatic toxicity** No further relevant information available.

**Persistence and degradability** No further relevant information available.

### Behavior in environmental systems:

**Bioaccumulative potential** No further relevant information available.





## Factor II, Incorporated

The Art, Science and Technology of  
Silicones and Prosthetics...

## Safety Data Sheet

Product Code: F-901

Revision Date: 02/24/2015

### Mobility in soil

No further relevant information available.

### Additional ecological information

#### General notes

Water hazard class 1 (Self-assessment)                      slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water,  
water course or sewage system.

### Results of PBT and vPvB assessment

#### PBT

Not applicable.

#### vPvB

Not applicable.

#### Other adverse effects

No further relevant information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Recommendation

Must not be disposed of together with household  
garbage.

Do not allow product to reach sewage system.

### Uncleaned packagings

#### Recommendation

Disposal must be made according to official  
regulations.

#### Recommended cleansing agent

Water, if necessary with cleansing agents.

## SECTION 14: TRANSPORT INFORMATION

### UN-Number

DOT, ADR, ADN, IMDG, IATA

Void

### UN proper shipping name

DOT, ADR, ADN, IMDG, IATA

Void

### Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA Class

Void

### Packing group

DOT, ADR, IMDG, IATA

Void

### Environmental hazards

Marine pollutant

No

### Special precautions for user

Not applicable.

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.



UN "Model Regulation" -

**SECTION 15: REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SARA (Superfund Amendments and Reauthorization Act)  
Section 355 (extremely hazardous substances)**

None of the ingredient is listed.

**Section 313 (Specific toxic chemical listings)**

pentasodium triphosphate

**TSCA (Toxic Substances Control Act)**

All ingredients are listed.

**Carcinogenic categories**

**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH)**

ethyl alcohol A3

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**



**Signal word**

Danger

**Hazard-determining components of labeling**

ethyl alcohol  
pentasodium triphosphate

**Hazard statements**

Fatal if swallowed.

Harmful if inhaled.

Causes skin and eye irritation.

May cause an allergic skin reaction.

May cause respiratory irritation. May cause drowsiness or dizziness.

Causes damage to organs through prolonged or repeated exposure.



## Factor II, Incorporated

The Art, Science and Technology of  
Silicones and Prosthetics...

## Safety Data Sheet

Product Code: F-901

Revision Date: 02/24/2015

### Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

If swallowed: Immediately call a poison center/doctor.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Store locked up.

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

### Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

HCS: Hazard Communication Standard (USA)

MSDS: Material Safety Data Sheet

SDS: Safety Data Sheet

ADN: Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways)

ECHA: European Chemicals Agency

OSHA: Occupational Safety and Health Administration (USA)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 2: Acute toxicity, Hazard Category 2

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1



## **Factor II, Incorporated**

The Art, Science and Technology of  
Silicones and Prosthetics...

## **Safety Data Sheet**

Product Code: F-901

Revision Date: 02/24/2015

### **DISCLAIMER / STATEMENT OF LIABILITY:**

This is a computer-generated document that is valid without a signature.

The information above is supplied in good faith and, to the best of our knowledge, is based on available sources believed to be reliable and accurate. This document and any information provided herein are for your guidance only. The use by the requestor is beyond Factor II control; therefore, the responsibility for appropriate and safe use of the above information lies with the End user. Factor II shall not be responsible for any misuse and/or misapplication of the information in this document.