



## Factor II, Incorporated

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

## Safety Data Sheet

Product Code: B-100

Revision H

### SECTION 1: IDENTIFICATION

#### PRODUCT IDENTIFIER

Product Name      Skin Prep Wipes

Product Code      B-100

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**

Flam. Liq. 2;H225  
Eye Irrit. 2;H319  
STOT SE 3;H336

Highly Flammable liquid and vapor.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

#### **Label elements**

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Danger**

H225 Highly flammable liquid and vapor.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness and dizziness.

#### **Prevention**

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.  
P235 Keep cool.



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- P240 Ground / bond container and receiving equipment.
- P241 Use explosion-proof electrical / ventilating / light / equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves / eye protection / face protection.

### Response

- P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
- P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- P337+313 If eye irritation persists: Get medical advice / attention.
- P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

### Storage

- P403+233 Store in a well ventilated place. Keep container tightly closed.
- P405 Store locked up.

### Disposal

- P501 Dispose of contents / container in accordance with local / national regulations.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Isopropyl Alcohol CAS Number: 0000067-63-0	75 - 100	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]
BUTENEDIOIC ACID (Z)-, MONOBUTYL ESTER, POLYMER WI CAS Number: 0025119-68-0	10 - 25	Not Classified	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit. [

3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.



**SECTION 4: FIRST AID MEASURES**

**Description of first aid measures**

- General** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
- Eyes** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
- Skin** No first aid should be needed.
- Ingestion** Do not induce vomiting. Contact the poison control center or a physician immediately for instructions.

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

**Overview**

**Acute Effects**

- Inhalation** Exposure to high air concentrations may cause mild irritation to nose and throat. Drowsiness, headache, and mild narcosis can occur from inhalation.
- Eye** Exposure to high air concentrations may cause mild irritation to eyes.
- Ingestion** Ingestion may cause drowsiness, burning of the gastrointestinal tract, and death. Ingestion may cause gastrointestinal pain, cramps, nausea and vomiting.

**Medical Conditions Aggravated by Long-Term Exposure**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Impaired function from pre-existing disorders may be aggravated by exposure to this product.

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural



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fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

See section 2 for further details.

**Inhalation** May cause drowsiness or dizziness.

**Eyes** Causes serious eye irritation.

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing media** Carbon dioxide, dry chemical, alcohol foam

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

Hazardous decomposition: Oxides of Carbon and unidentified organic compounds.

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Keep cool.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust / fume / gas / mist / vapors / spray.

#### Advice for fire-fighters

Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back.

Wear self-contained breathing apparatus and protective clothing.

#### ERG Guide No. 133

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

#### Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

#### Methods and material for containment and cleaning up

Mop or wipe up small spills. Ventilate area. Dike large spills to minimize contamination and contain material. Remove all sources of heat and ignition. Absorb with sand or vermiculite. Ventilate area to dissipate vapors.

**SECTION 7: HANDLING AND STORAGE****Precautions for safe handling**

Do not use with electrocautery procedures.  
See section 2 for further details. - [Prevention]:

**Conditions for safe storage, including any incompatibilities**

Handle containers carefully to prevent damage and spillage.  
Incompatible materials: Strong oxidizing agents  
Store in a cool ( $\leq 77^{\circ}\text{F} / 25^{\circ}\text{C}$ ), dry, well-ventilated area away from strong oxidizing agents, sources of heat, sparks, and open flames.  
See section 2 for further details. - [Storage]:

**Specific end use(s)** No data available.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters****Exposure**

CAS No.	Ingredient	Source	Value
0000067-63-0	Isopropyl Alcohol	OSHA	TWA 400 ppm (980 mg/m <sup>3</sup> ) STEL 500 ppm
		ACGIH	TWA: 200 ppm STEL: 400 ppm Revised 2003,
		NIOSH	TWA 400 ppm (980 mg/m <sup>3</sup> ) ST 500 ppm (1225 mg/m <sup>3</sup> )
		Supplier	No Established Limit
0025119-68-0	BUTENEDIOIC ACID (Z)-, MONOBUTYL ESTER, POLYMER WI	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established
		Supplier	No Established Limit

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
0000067-63-0	Isopropyl Alcohol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0025119-68-0	BUTENEDIOIC ACID (Z)-, MONOBUTYL ESTER, POLYMER WI	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;



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### Exposure controls

#### Respiratory

None required for normal use.

#### Eyes

None required for normal use.

#### Skin

None required for normal use.

### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

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

Appearance	Clear, Colorless Liquid
Odor	Alcohol Odor
Odor threshold	Not determined
pH	Not determined
Melting point / freezing point	Not determined
Initial boiling point and boiling range	180°F
Flash Point	53°F / 11.7°C
Evaporation rate (Ether = 1)	2.83 (nBuAc = 1)
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	
Lower Explosive Limit	2.5
Upper Explosive Limit	12
Vapor pressure (Pa)	33 mmHg
Vapor Density	2.1 (Air = 1)
Specific Gravity	0.85 @ 25°C (H2O = 1)
Solubility in Water	Miscible
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not determined
Decomposition temperature	Not available
Viscosity (cSt)	Not determined
VOC Content	Not available
Other information	No other relevant information.



**SECTION 10: STABILITY AND REACTIVITY DATA**

<b>Reactivity</b>	Hazardous Polymerization will not occur.
<b>Chemical stability</b>	Stable under normal circumstances.
<b>Possibility of hazardous reactions</b>	Carbon monoxide and unidentified organic compounds may be formed during combustion.
<b>Conditions to avoid</b>	Avoid excessive heat, open flames and all ignition sources.
<b>Incompatible materials</b>	Strong oxidizing agents
<b>Hazardous decomposition products</b>	Oxides of Carbon

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Acute toxicity**

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

<b>Ingredient</b>	<b>Oral LD50, mg/kg</b>	<b>Skin LD50, mg/kg</b>	<b>Inhalation Vapor LC50, mg/L/4hr</b>	<b>Inhalation Dust/Mist LC50, mg/L/4hr</b>	<b>Inhalation Gas LC50, ppm</b>
Isopropyl Alcohol - (67-63-0)	4,710.00, Rat - Category: 5	12,800.00, Rat - Category: NA	72.60, Rat - Category: NA	No data available	No data available
BUTENEDIOIC ACID (Z)-, MONOBUTYL ESTER, POLYMER WI - (25119-68-0)	No data available	No data available	No data available	No data available	No data available

**Note:** When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).



Classification	Category	Hazard Description
Acute toxicity (oral)	-	Not Applicable
Acute toxicity (dermal)	-	Not Applicable
Acute toxicity (inhalation)	-	Not Applicable
Skin corrosion/irritation	-	Not Applicable
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	-	Not Applicable
Skin sensitization	-	Not Applicable
Germ cell mutagenicity	-	Not Applicable
Carcinogenicity	-	Not Applicable
Reproductive toxicity	-	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-single exposure	-	Not Applicable
STOT-repeated exposure	-	Not Applicable
Aspiration hazard	-	Not Applicable

**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity**

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Isopropyl Alcohol - (67-63-0)	1,400.00, Lepomis macrochirus	100.00, Daphnia magna	100.00 (72 hr), Scenedesmus subspicatus
BUTENEDIOIC ACID (Z)-, MONOBUTYL ESTER, POLYMER WI - (25119-68-0)	Not Available	Not Available	Not Available

**Persistence and degradability**

There is no data available on the preparation itself.

**Bioaccumulative potential**

Not Measured

**Mobility in soil**

No data available.

**Results of PBT and vPvB assessment**

This product contains no PBT/vPvB chemicals.

**Other adverse effects**

No data available.



**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

Observe all federal, state and local regulations when disposing of this substance.

**SECTION 14: TRANSPORT INFORMATION**

**Not Subject to Regulations Per**

<b>Air</b>	IATA Special Provision A46
<b>Ground</b>	49 CFR 172.102 Special Provision 47
<b>Ocean</b>	IMDG Special Provision 216

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>UN number</b>	UN3175	UN3175	UN3175
<b>UN proper shipping name</b>	UN3175, Solids containing flammable liquid, n.o.s., (Isopropyl Alcohol), 4.1, II	Solids containing flammable liquid, n.o.s., (Isopropyl Alcohol)	Solids containing flammable liquid, n.o.s., (Isopropyl Alcohol)
<b>Transport hazard class(es)</b>	DOT Hazard Class: 4.1	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
<b>Packing group</b>	II	II	II

**Environmental hazards**

**IMDG**

Marine Pollutant: No

**Special precautions for user**

No further information

**SECTION 15: REGULATORY INVORMATION**

**Regulatory Overview**

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA)**

All components of this material are either listed or exempt from listing on the TSCA Inventory.

**WHMIS Classification**

B2 D2B

**US EPA Tier II Hazards**

Fire	Yes
Sudden Release of Pressure	No



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Reactive	No
Immediate (Acute)	Yes
Delayed (Chronic)	No

### EPCRA 311/312 Chemicals and RQs

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. SDSUM00581 Page 8 of 9 Revision H

### EPCRA 302 Extremely Hazardous

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA 313 Toxic Chemicals

Isopropyl Alcohol

### Proposition 65 - Carcinogens (>0.0%)

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Developmental Toxins (>0.0%)

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Female Repro Toxins (>0.0%)

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Male Repro Toxins (>0.0%)

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### New Jersey RTK Substances (>1%)

Isopropyl Alcohol

### Pennsylvania RTK Substances (>1%)

Isopropyl Alcohol

## SECTION 16: OTHER INFORMATION

### PATENT WARNING:

Factor II Technology disclaims any expressed or implied warranty against the infringement of any patent. Factor II does not warrant that the use or sale of the products described herein will not infringe the claims of any U.S. patents or other country's patents covering the product itself or the use in combination with other products or in the operation of any process.

### WARNINGS ABOUT PRODUCT SAFETY:

Factor II technology believes that the information and data contained herein is accurate and reliable; however, it is the user's responsibility to determine suitability and safety of use for these materials. Factor II cannot know the specific requirements of each application and hereby makes the user aware that it has not tested or determined that these materials are suitable or safe for any application. It is the user's responsibility to adequately test and determine the safety and suitability for their application.



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Factor II makes no warranty concerning fitness for any use or purpose. There has been no testing done by Factor II to establish safety of use in any medical application. Factor II has tested this material only to determine if the product meets the applicable specification. When considering the use a Factor II product in a particular application, you should review the latest Material Safety Data Sheets and contact Factor II for any questions about product safety information you may have.

**IT IS RECOMMENDED THAT THE PURCHASER THOROUGHLY TEST ANY APPLICATION PRIOR TO FULL SCALE PRODUCTION OR COMMERCIALIZATION. INFORMATION CONTAINED IN THIS TECHNICAL PROFILE SHOULD NOT BE TAKEN AS INDUCEMENT TO FRINGE ANY PATENT. FACTOR II WARRANTS ONLY THAT ITS PRODUCTS MEET ITS SPECIFICATIONS. THERE IS NO WARRANTY OF MERCHANTABILITY OF FITNESS FOR USE OR ANY OTHER WARRANTIES EXPRESS OR IMPLIED. FACTOR II MAKES NO GUARANTEE OF SATISFACTORY RESULTS**

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