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**Section 1 - PRODUCT AND COMPANY IDENTIFICATION**

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**Material Name:** V-150 Primer

**Synonyms:** Solvent-Based Primer

**Chemical Family:** Primer

**Product Use:** Cleaning and Priming EPDM Single-Ply Roofing Membranes

**Restrictions on Use:** For industrial use only.

**Manufacturer Information**

Versico LLC  
1285 Ritner Highway  
Carlisle, PA 17013  
USA  
Phone: +1-800-992-7663  
Emergency Phone #: +1-800-424-9300 (CHEMTREC)

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**Section 2 - HAZARDS IDENTIFICATION**

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**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Flammable Liquids - Category 2

Skin Corrosion/Irritation - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

Specific Target Organ Toxicity - Single Exposure - Category 3

Specific Target Organ Toxicity - Repeated Exposure - Category 2

**GHS Label Elements**

**Symbol(s)**



**Signal Word**

Danger

**Hazard Statement(s)**

Highly flammable liquid and vapor

Causes skin irritation

Causes serious eye irritation

May cause respiratory irritation. May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

## Safety Data Sheet

**Material Name: V-150 Primer**

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**Precautionary Statement(s)**

**Prevention**

Keep container tightly closed  
 Keep away from heat/sparks/open flame/hot surfaces - No smoking  
 Ground/Bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting equipment  
 Take precautionary measures against static discharge  
 Use only non-sparking tools  
 Use only outdoors or in a well-ventilated area  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Do not breathe dust/fume/gas/mist/vapours/spray  
 Wash thoroughly after handling

**Response**

In case of fire: Use appropriate media to extinguish  
 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse  
 Call a POISON CENTER or doctor if you feel unwell  
 Specific treatment (see label)

**Storage**

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

**Disposal**

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

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**Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

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CAS	Component Name	Percent
108-88-3	Toluene	60-100
64742-89-8	Heptane	5-10
Trade Secret	Phenolic resin	0.1-1

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Trade Secret	Silicon adsorbent mixture	0.1-1
54914-37-3	Isophorondiamine-isobutyraldimine	0.1-1
Trade Secret	Dibutyltin dilaurate	< 0.1
Trade Secret	Isophorone diisocyanate	0.1-1

### Section 4 - FIRST AID MEASURES

#### Description of Necessary Measures

If exposed or concerned: Call a POISON CENTER or doctor/physician.

#### Inhalation

Remove person to fresh air and keep comfortable for breathing. Give artificial respiration if not breathing. Immediately call a POISON CENTER or doctor/physician.

#### Skin

Remove/Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

#### Eyes

Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### Ingestion

If swallowed, do not induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Treat symptomatically and supportively.

#### Most Important Symptoms/Effects

##### Acute

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Causes damage to central nervous system.

##### Delayed

Prolonged exposure may cause liver, kidney and central nervous system damage.

#### Note to Physicians

Contains: toluene, heptane.

### Section 5 - FIRE FIGHTING MEASURES

#### Extinguishing Media

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**Suitable Extinguishing Media**

Dry chemical, foam or carbon dioxide. Water may be ineffective. Use water spray to keep containers cool.

**Unsuitable Extinguishing Media**

Do not use high-pressure water streams.

**Special Hazards Arising from the Chemical**

Can burn and explode easily when exposed to open flames or high heat.

**Hazardous Combustion Products**

Oxides of carbon

**Fire Fighting Measures**

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

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### Section 6 - ACCIDENTAL RELEASE MEASURES

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**Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment, see Section 8.

**Methods and Materials for Containment and Cleaning Up**

Remove all sources of ignition. Avoid breathing vapors. Ventilate affected area. Absorb with earth, sand or other non-combustible material and transfer to container. Use non-sparking tools. Dike for later disposal.

**Environmental Precautions**

Avoid release to the environment.

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### Section 7 - HANDLING AND STORAGE

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**Precautions for Safe Handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. Take precautionary measures against static discharge. Ground/bond container and receiving equipment. Use non-sparking tools. Use only outdoors or in a well-ventilated area. Vapors will travel. Prevent vapors from entering buildings through open windows or ventilation systems. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid contact during pregnancy/while nursing. **KEEP OUT OF REACH OF CHILDREN.**

**Conditions for Safe Storage, Including any Incompatibilities**

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

Keep cool

Store locked up

Keep away from heat and ignition sources. Keep away from incompatible materials. Do not cut, puncture, or weld on or near this container.

**Incompatible Materials**

Strong oxidizing agents, acids, bases, amines

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### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Component Exposure Limits**

<b>Toluene</b>	108-88-3	
ACGIH:	20 ppm TWA	
NIOSH:	100 ppm TWA; 375 mg/m <sup>3</sup> TWA	150 ppm STEL; 560 mg/m <sup>3</sup> STEL
	500 ppm IDLH	
Europe:	50 ppm TWA; 192 mg/m <sup>3</sup> TWA	100 ppm STEL; 384 mg/m <sup>3</sup> STEL
	Possibility of significant uptake through the skin	
OSHA (US):	200 ppm TWA	300 ppm Ceiling
Mexico:	50 ppm TWA LMPE-PPT; 188 mg/m <sup>3</sup> TWA LMPE-PPT	
	Skin - potential for cutaneous absorption	

**Biological limit value**

There are no biological limit values for any of this product's components.

**Engineering Controls**

Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/face protection**

Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

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**Skin Protection**

Wear appropriate work clothing. Wear protective shoes. Recommended material: protective skin cream.

**Respiratory Protection**

A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Glove Recommendations**

Wear appropriate chemical resistant gloves.

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### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	dark liquid	<b>Physical State</b>	liquid
<b>Odor</b>	hydrocarbon	<b>Color</b>	olive,green,dark gray
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	-95 °C (-139 °F)	<b>Boiling Point</b>	90 - 111 °C (194-231 °F)
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	2.5
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	230 °C (475 °F)	<b>Flash Point</b>	-7.2 °C (19 °F)
<b>Lower Explosive Limit</b>	1 %	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	7 %	<b>Vapor Pressure</b>	24.9 mmHg
<b>Vapor Density (air=1)</b>	3.2	<b>Specific Gravity (water=1)</b>	Not available
<b>Water Solubility</b>	Negligible	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	<200 cps	<b>Solubility (Other)</b>	Not available
<b>Density</b>	0.88 (relative)	<b>VOC</b>	727 g/L

**Other Information**

No additional information available.

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### Section 10 - STABILITY AND REACTIVITY

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**Material Name: V-150 Primer**

**Product #: 302081**

**Reactivity**

No reactivity hazard is expected.

**Chemical Stability**

Stable under normal conditions of use.

**Possibility of Hazardous Reactions**

Hazardous polymerization will not occur.

**Conditions to Avoid**

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

**Incompatible Materials**

Strong oxidizing agents, acids, bases, amines

**Hazardous decomposition products**

Oxides of carbon

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**Section 11 - TOXICOLOGICAL INFORMATION**

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**Information on Likely Routes of Exposure**

**Inhalation**

May cause respiratory irritation. May cause drowsiness or dizziness.

**Skin Contact**

Causes skin irritation.

**Eye Contact**

Causes serious eye irritation.

**Ingestion**

May cause gastrointestinal irritation.

**Acute and Chronic Toxicity**

**Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Toluene (108-88-3)

Oral LD50 Rat 2600 mg/kg

Dermal LD50 Rabbit 12000 mg/kg

Inhalation LC50 Rat 30 - 35 mg/L 4

Heptane (64742-89-8)

Oral LD50 Mouse 5000 mg/kg

Dermal LD50 Rabbit 3000 mg/kg

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Silicon adsorbent mixture (Trade Secret)  
Oral LD50 Rat >32000 mg/kg  
Dermal LD50 Rabbit >2000 mg/kg

Dibutyltin dilaurate (Trade Secret)  
Oral LD50 Rat 45 mg/kg  
Dermal LD50 Rabbit 630 mg/kg

Isophorone diisocyanate (Trade Secret)  
Oral LD50 Rat >20000 mg/kg  
Dermal LD50 Rabbit >2000 mg/kg  
Inhalation LC50 Rat 5 mg/L 4 h

**Immediate Effects**

Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Causes damage to central nervous system.

**Delayed Effects**

Prolonged exposure may cause liver, kidney and central nervous system damage.

**Irritation/Corrosivity Data**

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

**Respiratory Sensitization**

No data available.

**Dermal Sensitization**

No data available.

**Component Carcinogenicity**

<b>Toluene</b>	108-88-3
<b>ACGIH:</b>	A4 - Not Classifiable as a Human Carcinogen
<b>IARC:</b>	Monograph 71 [1999]; Monograph 47 [1989] (Group 3 (not classifiable))

**Germ Cell Mutagenicity**

No data available.

**Reproductive Toxicity**

No data available.

**Specific Target Organ Toxicity - Single Exposure**

Causes damage to central nervous system.

**Specific Target Organ Toxicity - Repeated Exposure**

Prolonged exposure may cause liver, kidney and central nervous system damage.

**Aspiration hazard**

May cause aspiration hazard.



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**Medical Conditions Aggravated by Exposure**

Aspiration into the lungs may cause chemical pneumonitis.

**Additional Data**

No additional information available.

### Section 12 - ECOLOGICAL INFORMATION

**Ecotoxicity**

Avoid release to the environment.

**Component Analysis - Aquatic Toxicity**

<b>Toluene</b>	108-88-3
Fish:	LC50 96 h Pimephales promelas 15.22 - 19.05 mg/L [flow-through] (1 day old); LC50 96 h Pimephales promelas 12.6 mg/L [static]; LC50 96 h Oncorhynchus mykiss 5.89 - 7.81 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 14.1 - 17.16 mg/L [static]; LC50 96 h Oncorhynchus mykiss 5.8 mg/L [semi-static]; LC50 96 h Lepomis macrochirus 11 - 15 mg/L [static]; LC50 96 h Oryzias latipes 54 mg/L [static]; LC50 96 h Poecilia reticulata 28.2 mg/L [semi-static]; LC50 96 h Poecilia reticulata 50.87 - 70.34 mg/L [static]
Algae:	EC50 96 h Pseudokirchneriella subcapitata >433 mg/L IUCLID; EC50 72 h Pseudokirchneriella subcapitata 12.5 mg/L [static] EPA
Invertebrate:	EC50 48 h Daphnia magna 5.46 - 9.83 mg/L [static] EPA; EC50 48 h Daphnia magna 11.5 mg/L IUCLID
<b>Heptane</b>	64742-89-8
Algae:	EC50 72 h Pseudokirchneriella subcapitata 4700 mg/L IUCLID
<b>Isophorone diisocyanate</b>	Trade Secret
Fish:	LC50 96 h Oncorhynchus mykiss 9.22 mg/L
Invertebrate:	EC50 48 h Daphnia magna 6.14 mg/L IUCLID

**Persistence and Degradability**

No information available for the product.

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**Material Name: V-150 Primer**

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**Bioaccumulative Potential**

No information available for the product.

**Mobility**

No information available for the product.

**Other Toxicity**

No additional information available.

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### Section 13 - DISPOSAL CONSIDERATIONS

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**Disposal Methods**

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

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### Section 14 - TRANSPORT INFORMATION

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**US DOT Information:**

**Shipping Name:**Adhesives

**Hazard Class:** 3

**UN/NA #:** UN1133

**Packing Group:** II

**Required Label(s):** Red flammable liquid

**IATA Information:**

**Shipping Name:**ADHESIVES

**Hazard Class:** 3

**UN#:** UN1133

**Packing Group:** II

**Required Label(s):** 3

**TDG Information:**

**Shipping Name:**ADHESIVES

**Hazard Class:** 3

**UN#:** UN1133

**Packing Group:** II

**Required Label(s):**

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### Section 15 - REGULATORY INFORMATION

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**U.S. Federal Regulations**



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This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Toluene	108-88-3
SARA 313:	1 % de minimis concentration
CERCLA:	1000 lb final RQ; 454 kg final RQ

**SARA Section 311/312 (40 CFR 370 Subparts B and C)**

**Acute Health:** Yes **Chronic Health:** Yes **Fire:** Yes **Pressure:** No **Reactivity:** No

**U.S. State Regulations**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Toluene	108-88-3	Yes	Yes	Yes	Yes	Yes

**The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects

Toluene	108-88-3
Repro/Dev. Tox	developmental toxicity , initial date 1/1/91
	female reproductive toxicity , initial date 8/7/09

**Canadian WHMIS Ingredient Disclosure List (IDL)**

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Toluene	108-88-3
	1 %
Dibutyltin dilaurate	Trade Secret
	1 %

**Component Analysis - Inventory**

Toluene (108-88-3)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes



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Heptane (64742-89-8)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

Isophorondiamine-isobutyraldimine (54914-37-3)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	No	No	Yes	Yes	No

Dibutyltin dilaurate (Trade Secret)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Isophorone diisocyanate (Trade Secret)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

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### Section 16 - OTHER INFORMATION

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**HMIS Rating**

Health: 2 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

**NFPA Ratings**

Health: 2 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Summary of Changes**

New SDS: March 18, 2015

**Key / Legend**

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ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

### Other Information

#### Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.