

Prod.Name: Perfect Seal #4
Manufacturer: Perfect Seal, Inc.
Supplier: GM of Canada - Oshawa
HMCS ID: 181884
SUC: 02 - Solvents - Flashpoint < 100 F

MATERIAL SAFETY DATA SHEET

Revision: 01.Jun.2008
Effective: 01.Jun.2008
Print Date: 15.Mar.2013
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1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT INFORMATION

Product Name: Perfect Seal #4

External Keys:

CN00876 GM of Canada Approval Number
10-2018, 1050026 Distributable Material (Part #)
12346146 SPO Catalog Discontinued
GASKET Primary Tradename - Distributable Material
SEALING
COMPOUND

MANUFACTURER INFORMATION

Manufacturer: Perfect Seal, Inc.

Address:

3322 Beekman Street USA Ohio 45223 Cincinnati P.O. Box Mailing
11267

Communication Lines:

Phone 513-542-8444 Information and Emergency
Fax 513-542-8445

SUPPLIER INFORMATION

Supplier: GM of Canada - Oshawa

Address:

1908 Colonel Sam Drive CAN ON L1H8P7 Oshawa Mailing

Comment:

PRODUCT TYPE: SEALANT.

2 INGREDIENT INFORMATION

FORMULATION

Ingredients:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Prefix</u>	<u>Value</u>	<u>Unit</u>	<u>Exposure Limits</u>
ISOPROPYL ALCOHOL	67-63-0	=	24.1	% Wt	Yes
2-PROPANOL, 1-METHOXY-	107-98-2	=	4.8	% Wt	Yes
Silica	7631-86-9	<	71.1	% Wt	No
CASTOR OIL	8001-79-4	<	71.1	% Wt	No
Soybean oil, polymd., oxidized	68152-81-8	<	71.1	% Wt	No

3 HAZARDS IDENTIFICATION

Specific Hazards:

PRIMARY ROUTES OF ENTRY: SKIN, INGESTION, INHALATION

Specific Hazards (Routes Of Exposure):

<u>Exposure Routes</u>	<u>Exposure Duration</u>	<u>Observation</u>
Eye Contact	General	EYE IRRITANT. LIQUID IS AN EYE IRRITANT.
Ingestion	General	MODERATELY TOXIC BY INGESTION.

Medical Conditions Aggravated By Exposure:

VAPOR ABOVE TLV IS IRRITATING TO EYES, NOSE, THROAT, AND CAN CAUSE HEADACHE, DIZZINESS, AND NAUSEA.

4 FIRST AID MEASURES

First Aid By::

Inhalation REMOVE TO FRESH AIR. CALL PHYSICIAN.
Skin Contact WASH THOROUGHLY WITH SOAP AND WATER.

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4 FIRST AID MEASURES

First Aid By::

Eye Contact FLUSH WITH WATER FOR AT LEAST 15 MINUTES AND CONSULT PHYSICIAN.
Ingestion DO NOT INDUCE VOMITING AND GET MEDICAL ATTENTION.

5 FIRE FIGHTING MEASURES

Flash Point:

= 54 °F CC

Explosive Limits:

Upper Explosive Limit = 20 '% ' % BY VOLUME IN AIR
(UEL)

Lower Explosive Limit = 3 '% ' % BY VOLUME IN AIR
(LEL)

Extinguishing Media:

: CO2, DRY CHEMICAL, FOAM

Fire and Explosion Hazards:

NONE.

HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION:
CARBON DIOXIDE AND CARBON MONOXIDE

6 ACCIDENTAL RELEASE MEASURES

PRECAUTIONS IN CASE OF ACCIDENTAL RELEASE

Personal Precautions:

FOR LARGE SPILLS VENTILATE AREA AND REMOVE SOURCES OF IGNITION.

SPILL OR LEAK PROCEDURES

Recovery:

SCRAPE OR WIPE UP AS MUCH MATERIAL AS POSSIBLE AND STORE IN A CLOSED CONTAINER RESIDUES MAY BE CLEANED WITH ISOPROPYL ALCOHOL.

7 HANDLING AND STORAGE

HANDLING

Safe Handling Procedures:

AVOID PROLONGED BREATHING OF VAPORS AND CONTACT WITH EYES.

STORAGE

Storage Conditions:

DC) NOT STORE NEAR HEAT, SPARKS OR FLAME.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

VENTILATION SUFFICIENT TO MAINTAIN VAPOR PRESSURE BELOW TLV.

EXPOSURE LIMITS

Limit Values:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Type</u>	<u>Value</u>	<u>Specification</u>	<u>Source</u>
ISOPROPYL ALCOHOL	67-63-0	PEL-TWA	400ppm	-	OSHA - Permissible Exposure Limits (PELs)
ISOPROPYL ALCOHOL	67-63-0	GM OEG -TWA	200ppm	-	GM Occupational Exposure

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

Limit Values:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Type</u>	<u>Value</u>	<u>Specification</u>	<u>Source</u>
ISOPROPYL ALCOHOL	67-63-0	GM OEG -STEL	400ppm	-	Guidelines (OEG) GM Occupational Exposure Guidelines (OEG)
ISOPROPYL ALCOHOL	67-63-0	TLV- TWA	200ppm	-	Threshold Limit Values (TLVs) - ACGIH
ISOPROPYL ALCOHOL	67-63-0	TLV- STEL	400ppm	-	Threshold Limit Values (TLVs) - ACGIH
ISOPROPYL ALCOHOL	67-63-0	State- TWA	400ppm	-	MICHIGAN
ISOPROPYL ALCOHOL	67-63-0	State- STEL	500ppm	-	MICHIGAN
ISOPROPYL ALCOHOL	67-63-0	State- TWA	400ppm	-	NEW YORK
ISOPROPYL ALCOHOL	67-63-0	State- STEL	500ppm	-	NEW YORK
ISOPROPYL ALCOHOL	67-63-0	State- TWA	400ppm	-	TENNESSEE
ISOPROPYL ALCOHOL	67-63-0	State- STEL	500ppm	-	TENNESSEE
2-PROPANOL, 1-METHOXY-	107-98-2	State- STEL	150ppm	-	TENNESSEE
2-PROPANOL, 1-METHOXY-	107-98-2	GM OEG -TWA	100ppm	-	GM Occupational Exposure Guidelines (OEG)
2-PROPANOL, 1-METHOXY-	107-98-2	GM OEG -STEL	150ppm	-	GM Occupational Exposure Guidelines (OEG)
2-PROPANOL, 1-METHOXY-	107-98-2	TLV- TWA	100ppm	-	Threshold Limit Values (TLVs) - ACGIH
2-PROPANOL, 1-METHOXY-	107-98-2	TLV- STEL	150ppm	-	Threshold Limit Values (TLVs) - ACGIH
2-PROPANOL, 1-METHOXY-	107-98-2	State- TWA	100ppm	-	MICHIGAN
2-PROPANOL, 1-METHOXY-	107-98-2	State- STEL	150ppm	-	MICHIGAN
2-PROPANOL, 1-METHOXY-	107-98-2	State- TWA	100ppm	-	NEW YORK
2-PROPANOL, 1-METHOXY-	107-98-2	State- STEL	150ppm	-	NEW YORK
2-PROPANOL, 1-METHOXY-	107-98-2	State- TWA	100ppm	-	TENNESSEE

PERSONAL PROTECTIVE EQUIPMENT

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment (PPE):

Eye Protection WEAR SAFETY GLASSES OR GOGGLES.
Hand Protection WEAR RUBBER OR PLASTIC GLOVES.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical State: Liquid
Color: BROWN.
Odor: MILD.

PHYSICAL PROPERTIES

pH Value:

N/A

Changes of State:

Boiling Point = 195 °F

Vapor Pressure:

= 29 MM @ 68 F

Vapor Density:

= 2.5

Specific Gravity:

= 1.03

Solubility:

Water = .86

10 STABILITY AND REACTIVITY

STABILITY INFORMATION

Stability Under Normal Conditions: Stable

Incompatible Materials:

HYDROFLUORIC ACID, STRONG OXIDIZERS

Hazardous Polymerization:

WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION

Reactions:

<u>Type of Reaction</u>	<u>Reaction Products</u>
Thermal Decomposition	HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION: CARBON DIOXIDE AND CARBON MONOXIDE
Decomposition	(NON THERMAL): NONE KNOWN

11 TOXICOLOGICAL INFORMATION

CLASSIFICATION OF INGREDIENTS

Carcinogenicity:

NTP, IARC MONOGRAPHS, OSHA REGULATED: NO.

12 ECOLOGICAL INFORMATION

13 DISPOSAL CONSIDERATIONS

Waste Disposal Information:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

14 TRANSPORT INFORMATION

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14 TRANSPORT INFORMATION

DOT Shipping Name:

CONSUMER COMMODITY

DOT Hazard Class:

ORM-D

Comment:

IATA

TYPE OR CLASS: CLASS 3

PROPER SHIPPING NAME: ADHESIVE, FLAMMABLE LIQUID, UN1133

IMCO

PROPER SHIPPING NAME: CONSUMER COMMODITY

15 REGULATORY INFORMATION

LABELLING

Hazard Codes:

HMIS Reactivity	0
HMIS Health	1
HMIS Flammability	3
NFPA Flammability	3
NFPA Health	1
NFPA Reactivity	0

Comment:

NFPA assigned by General Motors Technical Review.

NATIONAL REGULATIONS

SARA 311/312: No

SARA 313: Yes

Immediate Health: No

Delayed Health: No

Fire: No

Sudden Pressure Release: No

Reactive: No

Other Regulation:

TSCA: All ingredients are either on or exempt from the TSCA Inventory.

SARA 313: SARA 313 inherited from ingredient list.

16 OTHER INFORMATION

Comments:

Additional Exposure Limits: GM Occupational Exposure Guidelines (OEG) and State-TWA's were provided by General Motors.