



SAFETY DATA SHEET

This safety data sheet complies with the requirements of: (CLP) Regulation (EC 1272/2008)

Revision Date 18-Aug-2017

Version 8

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code 80011
Product Name PX FORM-A-GASKET SEALANT #2 11 OZ.

Contains ROSIN

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Sealant
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

<u>Manufacturer</u>	<u>Supplier</u>
ITW Permatex 6875 Parkland Blvd. Solon, OH 44139 USA	KRAFFT S.L.U Carreters de Urnieta s/n 14 Andoain, ES 20140

E-mail address
mail@permatex.com

1.4. Emergency telephone number

24 Hour Emergency Phone Number - 800-255-3924 (00+ 1+ 813-248-0585) ChemTel

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin sensitization	Category 1 - (H317)
--------------------	---------------------

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Full text of R-phrases: see section 16

2.2. Label elements

Contains ROSIN



Signal word
Warning

Statements of hazard

H317 - May cause an allergic skin reaction

Precautionary Statements - EU (§28, 1272/2008)

P321 - Specific treatment (see supplemental first aid instructions on this label)

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P280 - Wear protective gloves

P272 - Contaminated work clothing should not be allowed out of the workplace

Other Information

• Not applicable

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
ROSIN	232-475-7	8050-09-7	10-20	Skin Sens. 1 (H317)	No data available
ETHANOL	200-578-6	64-17-5	<10	Flam. Liq. 2 (H225)	No data available
2-PROPANOL	200-661-7	67-63-0	<2	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	No data available
METHANOL	200-659-6	67-56-1	0.1-1.0	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)	No data available
METHYL ISOBUTYL KETONE	203-550-1	108-10-1	0.1-1.0	Acute Tox. 4 (H332) Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H335) Flam. Liq. 2 (H225)	No data available

Full text of H- and EUH-phrases: see section 16**Section 4: FIRST AID MEASURES****4.1. Description of first aid measures****General advice**

Get medical advice/attention if you feel unwell.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.

Skin contact

IF ON SKIN: Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact

IF IN EYES: Rinse cautiously with water for several 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. Never give anything by mouth to an unconscious person. Call a physician.

4.2. Most important symptoms and effects, both acute and delayed**Symptoms**

See section 2 for more information

4.3. Indication of any immediate medical attention and special treatment needed**Note to physicians**

Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO2). Foam. Dry chemical.

Unsuitable extinguishing media

No information available

5.2. Special hazards arising from the substance or mixture

None in particular.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions**

Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Wash thoroughly after handling.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up**Methods for containment**

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling****Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid breathing vapors or mists.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Store in a well-ventilated place. Keep cool.

Incompatible materials

Strong oxidizing agents

7.3. Specific end use(s)**Specific use(s)**

Automotive Sealant.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
ROSIN 8050-09-7	-	TWA: 0.05 mg/m ³	TWA: 0.1 mg/m ³	-	-
ETHANOL 64-17-5	-	TWA: 1000 ppm TWA: 1920 mg/m ³ STEL: 3000 ppm STEL: 5760 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³	STEL: 1000 ppm STEL: 1910 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³
2-PROPANOL 67-63-0	-	TWA: 400 ppm TWA: 999 mg/m ³ STEL: 500 ppm STEL: 1250 mg/m ³	STEL: 400 ppm STEL: 980 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 400 ppm STEL: 1000 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ *	TWA: 200 ppm TWA: 266 mg/m ³ STEL: 250 ppm STEL: 333 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 1000 ppm STEL: 1300 mg/m ³ *	TWA: 200 ppm TWA: 266 mg/m ³ vía dérmica*	TWA: 200 ppm TWA: 270 mg/m ³ H*
METHYL ISOBUTYL KETONE 108-10-1	TWA 20 ppm TWA 83 mg/m ³ STEL 50 ppm STEL 208 mg/m ³	TWA: 50 ppm TWA: 208 mg/m ³ STEL: 100 ppm STEL: 416 mg/m ³ Sk*	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ H*
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
ETHANOL 64-17-5	-	TWA: 1000 ppm	TWA: 260 mg/m ³ STEL: 1900 mg/m ³ H*	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³
2-PROPANOL 67-63-0	-	TWA: 200 ppm STEL: 400 ppm	-	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³	TWA: 200 ppm TWA: 490 mg/m ³
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ pelle*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm P*	TWA: 133 mg/m ³ TWA: 100 ppm H*	TWA: 200 ppm TWA: 270 mg/m ³ STEL: 250 ppm STEL: 330 mg/m ³ iho*	TWA: 200 ppm TWA: 260 mg/m ³ H*
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 104 mg/m ³ STEL: 208 mg/m ³	TWA: 20 ppm TWA: 80 mg/m ³ STEL: 50 ppm STEL: 210 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ H*
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
ROSIN 8050-09-7	-	-	-	-	TWA: 0.05 mg/m ³ STEL: 0.15 mg/m ³
ETHANOL 64-17-5	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL 2000 ppm STEL 3800 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³ STEL: 1000 ppm STEL: 1920 mg/m ³	TWA: 1900 mg/m ³	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 500 ppm STEL: 950 mg/m ³	STEL: 1000 ppm
2-PROPANOL 67-63-0	TWA: 200 ppm TWA: 500 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³	STEL: 1200 mg/m ³ TWA: 900 mg/m ³	TWA: 100 ppm TWA: 245 mg/m ³	TWA: 200 ppm STEL: 400 ppm

	STEL 800 ppm STEL 2000 mg/m ³	STEL: 400 ppm STEL: 1000 mg/m ³		STEL: 100 ppm STEL: 245 mg/m ³	Sk*
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ STEL 800 ppm STEL 1040 mg/m ³ H*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 800 ppm STEL: 1040 mg/m ³ H*	STEL: 300 mg/m ³ TWA: 100 mg/m ³	TWA: 100 ppm TWA: 130 mg/m ³ STEL: 100 ppm STEL: 130 mg/m ³ H*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 600 ppm STEL: 780 mg/m ³ Sk*
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm TWA: 83 mg/m ³ STEL 50 ppm STEL 208 mg/m ³ H*	TWA: 20 ppm TWA: 82 mg/m ³ STEL: 40 ppm STEL: 164 mg/m ³ H*	STEL: 200 mg/m ³ TWA: 83 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 20 ppm STEL: 83 mg/m ³ H*	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³ Sk*

Chemical Name	European Union	United Kingdom	France	Spain	Germany
2-PROPANOL 67-63-0	-	-	-	40	25 mg/L
METHANOL 67-56-1	-	-	-	15	30 mg/L
METHYL ISOBUTYL KETONE 108-10-1	-	20	-	1	0.7 mg/L
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
2-PROPANOL 67-63-0	-	25	-	-	-
METHANOL 67-56-1	-	30	-	-	-
METHYL ISOBUTYL KETONE 108-10-1	-	2	-	-	-

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Use exhaust ventilation to keep airborne concentrations below exposure limits.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin and body protection

Suitable protective clothing. Gloves made of plastic or rubber.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Paste
Appearance	Black
Odor	Alcohol
Odor threshold	No information available

Property	Values	Remarks • Method
pH	No information available	
Melting point / freezing point	No information available	
Boiling point / boiling range	82 °C / 180 °F	
Flash point	Does not apply	ASTM D 4359
Evaporation rate	7.7	Ether = 1
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	

Lower flammability limit:	No information available	
Vapor pressure	33 mm Hg @ 68°F	
Vapor density	2.0	Air = 1
Relative density	1.5	
Water solubility	Partially soluble	
Solubility(ies)	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	11%
Density	No information available
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not applicable

10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Excessive heat.

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Carbon oxides
Aldehydes
Carboxylic acids

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects**Product Information**

Inhalation	May cause irritation of respiratory tract.
Eye contact	Irritating to eyes. May cause redness and tearing of the eyes.

Skin contact
Ingestion

May cause skin irritation and/or dermatitis. May cause sensitization by skin contact.
Ingestion may cause irritation to mucous membranes.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 9,865.00 mg/kg
ATEmix (dermal) 11,111.00 mg/kg
ATEmix (inhalation-dust/mist) 73.45 mg/l

Unknown acute toxicity

28.168 % of the mixture consists of ingredient(s) of unknown toxicity.
16.79 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
11.362 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
28.168 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
28.168 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
28.168 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target Organ Effects Blood, Central nervous system, Eyes, Liver, Reproductive System, Respiratory system, Skin, Thyroid.

Aspiration hazard: No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
ROSIN	400: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	-	3.8 - 5.4: 48 h <i>Daphnia magna</i> mg/L EC50
ETHANOL	-	13400 - 15100: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 100: 96 h <i>Pimephales promelas</i> mg/L LC50 static 12.0 - 16.0: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 static	9268 - 14221: 48 h <i>Daphnia magna</i> mg/L LC50 10800: 24 h <i>Daphnia magna</i> mg/L EC50 2: 48 h <i>Daphnia magna</i> mg/L EC50 Static
2-PROPANOL	1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50 11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static 9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	13299: 48 h <i>Daphnia magna</i> mg/L EC50
METHANOL	-	13500 - 17600: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 28200: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 18 - 20: 96 h	-

		Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	
METHYL ISOBUTYL KETONE	400: 96 h Pseudokirchneriella subcapitata mg/L EC50	496 - 514: 96 h Pimephales promelas mg/L LC50 flow-through	170: 48 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical Name	Partition coefficient
ETHANOL	-0.32
2-PROPANOL	0.05
METHANOL	-0.77
METHYL ISOBUTYL KETONE	1.19

12.4. Mobility in soil**Mobility in soil**

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Endocrine Disruptor Information

None known.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods**Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

Waste codes / waste designations according to EWC / AVV

No data available

Other Information

Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG**14.1 UN/ID no**

Not regulated

14.2 Proper shipping name:

Not regulated

14.3 Hazard Class

Not regulated

14.4 Packing Group None
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions No information available
 14.7 EmS-No Not applicable

RID

14.1 UN/ID no Not regulated
 14.2 Proper shipping name: Not regulated
 14.3 Hazard Class Not regulated
 14.4 Packing Group None
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions No information available
 14.7 Classification code No information available

ADR

14.1 UN/ID no Not regulated
 14.2 Proper shipping name: Not regulated
 14.3 Hazard Class Not regulated
 14.4 Packing Group None
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions No information available
 14.7 Classification code No information available

IATA

14.1 UN/ID no Not regulated
 14.2 Proper shipping name: Not regulated
 14.3 Hazard Class Not regulated
 14.4 Packing Group None
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions No information available
 14.7 ERG Code Not applicable

Section 15: REGULATORY INFORMATION

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

Chemical Name	French RG number	Title
ROSIN 8050-09-7	RG 65, RG 66	-
ETHANOL 64-17-5	RG 84	-
2-PROPANOL 67-63-0	RG 84	-
METHANOL 67-56-1	RG 84	-
METHYL ISOBUTYL KETONE 108-10-1	RG 84	-

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Chemical Name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
METHANOL - 67-56-1	500	5000

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Not determined
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H332 - Harmful if inhaled
 H319 - Causes serious eye irritation
 H335 - May cause respiratory irritation
 H225 - Highly flammable liquid and vapor
 H301 - Toxic if swallowed
 H311 - Toxic in contact with skin
 H331 - Toxic if inhaled
 H370 - Causes damage to organs if inhaled
 H336 - May cause drowsiness or dizziness
 H317 - May cause an allergic skin reaction
 EUH066 - Repeated exposure may cause skin dryness or cracking

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Revision Date 18-Aug-2017

Revision Note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet