



1 Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Trade Name: **By*Pas Original Concentrate - Industrial Strength**
 Product Type: Alkaline Cleaning Solution

1.2 Recommended Use: All Purpose - Multi-Surface Cleaning

1.3 Details of the supplier of the safety data sheet

Company: BY*PAS INTERNATIONAL CORP.
 3333 Production Ct.
 Zeeland, MI. 49464
 Phone: 1-616-772-5100
 Fax: 1-616-931-3173

1.4 Emergency Information

Contact Info: CHEMTREC: 1-800-424-9300 (24 HOUR RESPONSE)

2 Hazards Identification

2.1 Classification of the substance or mixture

Skin Irritation: Category 3
 Eye Irritation: Category 2
 Acute Toxicity, Oral: Category 4

2.2 Label Elements

Symbol(s)



Signal Word: WARNING

Hazard Statements: H302 - May be harmful if swallowed
 H316 - Causes mild skin irritation
 H319 - Causes eye irritation

Precautionary Statements: P262 - Do not get in eyes, on skin or clothing.
 P280 - Wear protective eye protection when using or handling.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER / doctor.
 P302 - IF ON SKIN: Rinse area with water for several minutes.
 P305 - IF IN EYES: Rinse cautiously with water, remove contact lens if any. Continue rinsing.
 P337+P313: If eye irritation persists. Get medical attention or advice.

HMIS-ratings (scale 0-4)

Definitions: 0-least, 1-slight, 2-Moderate, 3-High, 4-Extreme

HEALTH	1
FIRE	0
REACTIVITY	0
Protection	B

3 Composition/Information on Ingredients

3.1 Substances

CAS Number:	Component	% by weight (optional)
7732-18-5	Water	>60
Proprietary	Surfactant Blend	5 to 15
Proprietary	Propylene Glycol Ether Blend	5 to 10
Proprietary	Chelating Agents	1 to 5
6834-92-0	Sodium Metasilicate	1 to 5

Chemical characterization: Mixture of the above ingredients to form a single uniform solution.



4 First aid measures

4.1 Description of first aid measures

General Info: Remove any clothing soiled by this product and wash before re-using.
 Inhalation: Ensure supply of fresh air.
 Eye Contact: Rinse cautiously with water for a few minutes. Remove contact lenses if any then continue flushing.
 Skin contact: Remove all contaminated clothing immediately. Rinse area for several minutes with water.
 Ingestion: Do not induce vomiting. If person is conscious give 1-2 glasses of water and seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable for use: foam, carbon dioxide, dry powder, water spray
 Not suitable for use: water jet is not recommended.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for fire-fighters

This product will not burn. Treat area as for surrounding fire. Wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.

6.2 Environmental precautions:

Do not allow to enter drains or waterways.
 Do not purposely discharge into the subsoil/soil.

6.3 Methods and material for containment and clean up:

Take up with absorbent material (universal binder, diatomaceous earth). For large spills dike area then scoop or pump product into plastic containers for disposal. Small amounts of this product can be rinsed with large amounts of water into a sanitary sewer system.

7 Handling & Storage

7.1 Precautions for safe handling

Advice on safe handling: No special measures are necessary if stored and handled as prescribed.
 Handling: No data available
 Hygiene measures: Do not eat or drink when using this product. Wash hands after using. Remove soiled or soaked clothing immediately. Avoid contact with eyes and skin.
 General measures: Avoid contact with eyes and skin.

7.2 Conditions for safe storage, including any incompatibilities

Prevention of fire and explosion

Information: No special measures required.

Storage

Information: Store with lids tightly sealed. Keep at room temperature, out of direct sunlight. Best if used within 2 years of manufacturer date.

8 Exposure Controls/Personal Protection

8.1 Control parameters:

Components with limit values that require monitoring at the work place:

Component	CAS-No.	Statutory basis/list	Value type	Value
Propylene	Proprietary	DOW IHG	TWA	50 ppm
Glycol Ether				



8.2 Exposure controls (continued from page 2)

Engineering controls

Appropriate controls: Good general ventilation should be sufficient to control airborne levels.

Personal protective equipment

Eye Protection: Use chemical resistant goggles or safety glasses with side shields.

Hand Protection: Rubber gloves

Body Protection: None required, but chemical resistant apron is suggested to protect clothing.

Respiratory Protection: None required

9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

<u>Product State:</u>	Liquid	<u>Auto Igniting:</u>	Product is not selfigniting
<u>Color:</u>	Turquoise	<u>Vapor Density:</u>	Not Determined
<u>Odor:</u>	Citrus	<u>Vapor Pressure:</u>	Not Determined
<u>pH:</u>	<12.5	<u>Evaporation Rate:</u>	Not Determined
<u>Boiling Point:</u>	>212°F	<u>Viscosity:</u>	Not Determined
<u>Freeze Point:</u>	<32°F	<u>Decomposition Temp:</u>	Not Determined
<u>VOC's % by wgt:</u>	<8	<u>Partition Coefficient</u>	(n- Not Determined
<u>Phosphorous %:</u>	None	octanol/water)	
<u>Specific Gravity:</u>	1.01-1.04	<u>Flash Point °F:</u>	>200
<u>Solubility:</u>	Soluble		

10 Stability and Reactivity

10.1	Reactivity:	Product is not reactive.
10.2	Chemical Stability:	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Under proper storage and handling no reactions are possible.
10.4	Conditions to avoid:	None known.
10.5	Incompatible materials:	Strong oxidizers
10.6	Hazardous decomposition products:	None with proper storage and handling.

11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity of known ingredients:

Propylene Glycol Ether Blend:	LD50 Rat (Oral) 2,600-5,500 mg/kg
	LD50 Rat (dermal) >2,200 mg/kg

Acute Effects of this mixture:

Skin:	Prolonged or repeated contact with strong forms may remove natural oils leading to dryness or rash.
Eye:	Produces rapid serious eye irritation.
Ingestion:	May be harmful to mucous membranes, mouth, throat and stomach.
Inhalation:	Concentrated mists may cause discomfort, cough or dizziness.
Carcinogens:	This product has no ingredients known to be carcinogenic.

*No other toxicological data is available on this mixture.

12 Ecological Information

12.1-12.6 No ecological information is available nor has been performed on these sections.

General Notes:

Do not allow large quantities of undiluted product enter the ground, waterways or waste water canals.
High levels of surfactants and increased pH levels are harmful to aquatic life.



13 Disposal Considerations

13.1 Waste treatment methods

Product:

Follow local regulations for proper disposal and reporting of spills.

Contaminated packaging:

If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards. Original labels must not be removed, lids closed and provide person collecting the container(s) with an SDS.

14 Transport Information

Not dangerous according to transport regulations

14.1	UN number:	none
14.2	UN proper shipping name:	Non Regulated Cleaning Compound
14.3	Transport hazard class(es):	none
14.4	Packing group:	none
14.5	Environmental hazards:	none
14.6	Special precautions for user:	none

15 Regulatory Information

Proposition 65 (Chemicals known to cause cancer)

None

Section 313 (specific toxic chemical listings)

None

Section 355 (extremely hazardous substances)

None

TSCA (Toxic Substances Control Act)

All ingredients are listed, registered or exempted.

16 Other Information

DISCLAIMER:

Information presented herein has been compiled from sources considered to be accurate and reliable, but is not guaranteed to be so. Since conditions of use are beyond our control we make warranties, expressed or implied. If anything is added to this product the information presented here may be altered and could make this SDS invalid. This SDS shall not establish a legally valid contractual relationship.

LEGEND:

ACGIH: American Conference of Governmental Industrial Hygienists / CAS:Chemical Abstracts Services

CHEMTREC:Chemical Transportation Emergency Center / DOT:Department of Transportation

EHS:Extremely Hazardous Substances / EPA: Environmental Protection Agency

HMIS: Hazardous Materials Identification System / IARC:International Agency for Research on Cancer

LEL/UEL:Lower and Upper Explosive Limit / mg/m³:Milligrams per cubic meter / LD50:Lethal Dose 50%

NIOSH:National Institute of Occupational Health & Safety / NFPA:National Fire Protection Association

NTP:National Toxicology Program / OSHA:Occupational Safety & Health Administration

PEL:Permissible Exposure Limit / PPE:Personal Protective Equipment /

SARA:Super fund Amendments and Reauthorization Act / SDS:Safety Data Sheet / TLV:Threshold Limit Value

TWA:Time Weighted Average / TSCA:US Toxic Substance Control Act