

Safety Data Sheet
(According to ANSI Z400.1-2004)

Product: 23105
Date: 1/20/2003

PREGAN C4
Revision date: 3/15/2012

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Code: 23105
Product Name: **PREGAN C4**
Company: KIWO, Inc.
1929 Marvin Circle
Seabrook, TX 77586 USA
Phone: 281-474-9777
Fax: 281-474-7325
Emergency Contact: 1-800-255-3924 (Chemtel)
MSDS prepared by: Fred Widman
Recommended use: Cleaner / Reducer

2. HAZARD IDENTIFICATION OF THE PREPARATION

This preparation is classified as a flammable liquid according to 29CFR 1910-1200.

EMERGENCY OVERVIEW

Appearance / Odor: liquid / typical ester

Potential Health Effects: See Section 11 for more information

Likely routes of exposure: Eye and skin contact, inhalation and ingestion

Potential Health Effects: Eyes

This product may be irritating to the eyes.

Potential Health Effects: Skin

Repeated exposure may cause skin dryness or cracking

Some absorption expected

Potential Health Effects: Ingestion

Ingestion of this product may be irritating to the digestive system.

Potential Health Effects: Inhalation

Inhalation of this product may be irritating to the respiratory system.

Vapours may cause drowsiness and dizziness

F	Flammable liquid
Xn	Harmful
N	Dangerous for the environment
10	Flammable
20	Harmful by inhalation
22	Harmful if swallowed
36/37/38	Irritating to eyes, respiratory system and skin
51/53	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed

Target Organs: Not known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Potential Environmental Effects: See Section 12 for more information.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the below mentioned materials and non-hazardous substances

Hazardous components:

EINECS-No	Name	Hazard	%content
CAS-No.	R-phrases		
203-132-9	Propylbenzene		
103-65-1	10-37-51/53-65	Xn, N	1.0-5.0%
203-604-4	Mesitylene		
108-67-8	10-37-51/53	Xi, N	1.0-5.0%
202-436-9	1,2,4-trimethyl-benzene		
95-63-6	10-20-36/37/38-51/53	Xn, N	5.0-10.0%
265-199-0	Naphtha (petroleum distillates)		
64742-95-6	10-37-65-51/53	Xn, N	30.0-60.0%
203-603-9	2-methoxy-1-methylethyl acetate		
108-65-6	10-36	Xi	10.0-30.0%
204-626-7	4-hydroxy-4-methylpentane-2-one		
123-42-2	36	Xi	1.0-5.0%
203-63-11	Cyclohexanone		
108-94-1	10-20	Xn	15.0-40.0%
202-859-9	Benzyl Alcohol		
100-51-6	20/22	Xn	1.0-5.0%
203-872-2	Diethylene Glycol		
111-46-6			15.0-40.0%

Additional information:

For full text of risk phrases see Section 16.

4. FIRST AID MEASURES

After skin contact:

Clean thoroughly with soap and water.

After eye contact:

Remove contact lenses; keep eyelids open, rinse under running water for at least 10 minutes. If irritation continues, seek medical advice.

After ingestion:

Do not induce vomiting - seek medical advice. If unconscious, do not administer anything orally. Place in stable side position and seek medical advice. If breathing is irregular or has stopped, apply artificial respiration. Aspiration into lungs can produce severe lung damage and is a medical emergency.

After Inhalation:

If symptoms are experienced, remove from source of contamination or move victim to fresh air. If breathing has stopped, apply artificial respiration. Seek medical advice.

Note to Physicians: Treat as exposure to organic solvents

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Color: pink
Odor: typical ester
Flash point: 115°F (46° C)
Ignition temperature: 446°F (230° C)
Density: 0.98 g/cm³
Viscosity: 11 s 4 mm
Explosion limits: 0.8 – 10.8 Vol %
Boiling point: 300°F (149° C)
Vapour density: Not known
Vapour pressure: <4 mbar
Freezing point: not applicable
pH: not applicable
Coefficient of water/ oil distribution: not known

Volatile Organic Compound (VOC) content: 882 GRAMS / LITER, 7.35 LBS / GALLON

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions
(see Section 7).

Store as a flammable liquid

Possible Harmful Reactions: None known

11. TOXICOLOGICAL INFORMATION

Effects of acute exposure:

COMPONENT	CAS#	LD ₅₀	LC ₅₀
Propylbenzene	103-65-1	6040 mg/kg, oral, rat	20,000 mg/m ³ , inhalation, mouse
Mesitylene	108-67-8	8,970 mg/kg, oral, rat	>2,400 ppm, inhalation, rat
1,2,4-trimethylbenzene	95-63-6	5000 mg/kg, oral, rat	Unknown
Naphtha (petroleum distillates)	64742-95-6	6800 mg/kg, oral, rat 3400 mg/kg dermal, rat	>10.2 mg/L 4H, inhalation, rat
2-methoxy propanol acetate	108-65-6	8500 mg/kg, oral, rat	Unknown
Cyclohexanone	108-94-1	1800 mg/kg, oral, rat 1mL/kg, skin, rabbit	8000 ppm / 4-hour, rat
4-hydroxy-4-methylpentane-2-one	123-42-2	4 g/kg, oral, rat 13,500, skin, rabbit	Unknown
2,6-dimethylheptane-4-one	108-83-8	5750 mg/kg, oral, rat 16 g/kg, skin, rabbit	Unknown

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Diethylene Glycol	111-46-6	12565 mg/kg, oral, rat	Unknown
Benzyl Alcohol	100-51-6	1660 mg/kg, oral, rat	>500 mg/m ³

General information:

Effects of acute exposure- irritation

2-Methoxy-1-propanol has been shown to cause developmental effects in female rabbits exposed to 225, 350, and 545 ppm by inhalation during pregnancy.

No effect was observed at 145 ppm (NOEL) in this study. The acetate of 2-methoxy-1-propanol also has been tested for developmental effects. Information for the acetate is pertinent since the acetate portion of this molecule is quickly removed in a living organism to yield 2-methoxy-1-propanol. The offspring of rats exposed to concentrations of 0, 110, 550, or 2,700 ppm developed vertebral incisions at the highest exposure level, in the presence of maternal toxicity.

Rabbits exposed to 0, 36, 145, or 550 ppm of 2-methoxy-1-propanol acetate bore offspring that showed malformations of sternum, paws, major blood vessels and the heart at the highest exposure level. A concentration of 145 ppm was the no observed effect level (NOEL) for adverse developmental effects from the acetate of 2-methoxy-1-propanol.

Repeated exposure may lead to permanent respiratory disability.

Irritancy of product- yes

Skin sensitization- possible

Respiratory sensitization- possible

Carcinogenicity- Naphtha has been suspected of being a carcinogen.

IARC- no

ACGIH- no

Reproductive toxicity-May damage developing fetus

Teratogenicity- No known effect

Embryotoxicity- May damage fetus

Mutagenicity- Unknown

Name of synergistic products/effects- none known

12. ECOLOGICAL INFORMATION

Do not empty into drains or release into open water. Do not store at public waste disposal sites.

13. WASTE DISPOSAL INFORMATION

Dispose of as a flammable hazardous waste

Empty container: scrap metal recycling or re-conditioning

Soiled container: (treatment like product itself)

14. TRANSPORT INFORMATION

ADR/RID/DOT: Class: 3

UN: 1263

Paint related material

Solvent naphtha

May be reclassified as a combustible liquid, non-regulated for non-bulk ground shipments regulated by DOT.

Packaging group: III

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IMDG: Class: 3
EMS: F-E, S-E
UN: 1263
Flammable liquid, nos
Hazardous component: Solvent naphtha (-MP-)
Marine pollutant: p
Packaging group: III

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR and is classified as a B2, D2B hazardous material.

All ingredients are listed on the TSCA registry.

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

Labeling

F Flammable liquid
N Dangerous for the environment

R-phrases:

10 Flammable.
20 Harmful by inhalation
22 Harmful if swallowed
36/37/38 Irritating to eyes, respiratory system and skin
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: May cause lung damage if swallowed

S-phrases:

23 Do not breathe gas / fumes / vapor / spray
24/25 Avoid contact with skin and eyes
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention
61 Avoid release to the environment. Refer to special instructions / safety data sheets.
62 If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label

--Canada--

Ingredient	TSCA	EC	DSL	NDSL
Propylbenzene (103-65-1)	Yes	Yes	Yes	No
Mesitylene (108-67-8)	Yes	Yes	Yes	No
1,2,4-trimethyl-benzene (95-63-6)	Yes	Yes	Yes	No
4-hydroxy-4-methylpentane-2-one	Yes	Yes	Yes	No

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Naphtha Petroleum Distillates	Yes	Yes	Yes	No
2-methoxy-1-methylethyl acetate (108-65-6)	Yes	Yes	Yes	No
Cyclohexanone (108-94-1)	Yes	Yes	Yes	No
Benzyl Alcohol (100-51-6)	Yes	Yes	Yes	No
Diethylene Glycol (111-46-6)	Yes	Yes	Yes	No

Ingredient	-SARA 302-		SARA 313	-RCRA-	CERCLA	- TSCA
	RQ	TPQ	List	RQ	261.33	8(d)
Propylbenzene	No	No	No	No	No	No
Mesitylene	No	No	No	No	No	No
1,2,4-trimethyl-benzene	No	No	Yes	No	No	No
Naphtha, Petroleum Distillates	No	No	No	No	No	No
4-hydroxy-4-methylpentane-2-one	No	No	No	No	No	Yes
2-methoxy-1-methylethyl acetate	No	No	No	No	No	Yes
Cyclohexanone	No	No	No	5000	U057	No
Diethylene Glycol	No	No	No	No	No	No
Benzyl Alcohol	No	No	No	No	No	No

16. OTHER INFORMATION

HMIS: Health 2, Flammability 2, Reactivity 0

Text of risk phrases mentioned in Section 2:

F	Flammable liquid
Xn	Harmful
N	Dangerous for the environment
10	Flammable
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36/37/38	Irritating to eyes, respiratory system and eyes

51/53 Toxic to aquatic organisms. May cause long-term adverse effect in the aquatic environment.

65 Harmful: may cause lung damage if swallowed

For further information please refer to our technical information

sheet. Data in this SDS correspond with our current level of knowledge, but do not represent any assurance of product properties. The user personally is responsible for compliance with all legal requirements.

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