

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

Product: 20807
Date: 5/3/2001

KIWOBOND 933 RAPID
Revision date 02/02/2009

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Code: 20807
Product Name: **KIWOBOND 933 RAPID**
Company: KISSEL + WOLF GmbH
In den Ziegelwiesen 6
D-69168 Wiesloch
Phone: +49 6222 578 0
Importer: 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: Adhesive

2. HAZARD IDENTIFICATION OF THE PREPARATION

EMERGENCY OVERVIEW

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

Appearance / Odor: orange-red liquid / ester odor

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
Xi	Irritant
11	Highly Flammable
36	Irritating to eyes
66	Repeated exposure may cause skin dryness and cracking
67	Vapors may cause drowsiness and dizziness

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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place. Ensure adequate ventilation, especially when using a spray-gun. Avoid contact with skin and eyes.

Avoid flammable/ explosive air / vapor-mixtures and prevent concentrations exceeding the exposure limits.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limit:				
	CAS #	Name	OSHA PEL	ACGIH
TWA	141-78-6	Ethyl Acetate	Not established	400ppm
	67-64-1	Acetone	Not established	500ppm

Engineering controls

General- not required

Local exhaust- recommended. Please refer to the ACGIH document,

Industrial

Ventilation, A Manual of Recommended Practices, most recent edition for details.

Other- none

Personal Protection

Gloves- solvent impermeable recommended

Respirator- yes if local or general exhaust is not used

Eye- NIOSH approved protective goggles recommended

Protective footwear- not required

Protective clothing- not required

Other- none

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color: orange-red

Odor: typical ester

Flash point: 7°F (-11° C)

Ignition temperature: 860°F (460° C)

Density: 0.94 g/cm³

Viscosity: 900 mPas

Explosion limits: 2.2 – 12.6 Vol %

Boiling point: 133°F (56° C)

Vapour density: >1 (air=1)

Vapour pressure: 400 mm Hg @ 39.5°C

Freezing point: not applicable

pH: not applicable

Coefficient of water/ oil distribution: not known

Volatile Organic Compound (VOC) content:

VOC's not including acetone = 358 GRAMS/LITER, 3.98 LBS/GALLON

VOC's including acetone = 734 GRAMS/LITER, 6.12 LBS/GALLON

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions

(see Section 7).

Store as a flammable liquid

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Possible Harmful Reactions: None known other than flammability

11. TOXICOLOGICAL INFORMATION

Effects of acute exposure:

COMPONENT	CAS#	LD ₅₀	LC ₅₀
Ethyl Acetate	141-78-6	5620 mg/kg, oral, rat	200 gm/m ³ , inhalation, rat
Acetone	67-64-1	5800 mg/kg, oral, rat	50,100mg/m ³ , inhalation, rat

General information:

Effects of acute exposure- irritation
Repeated exposure may lead to permanent respiratory disability.
Irritancy of product- yes
Skin sensitization- possible
Respiratory sensitization- possible
Carcinogenicity- no
IARC- no
ACGIH- no
Reproductive toxicity- acetone has been investigated reproductive effector
Teratogenicity- No known effect
Embryotoxicity- May damage fetus
Mutagenicity- acetone has been investigated as a mutagen
Name of synergistic products/effects- none known

12. ECOLOGICAL INFORMATION

This preparation has been classified by the conventional method (calculating procedure) of EG directive 1999/45/EG and according to its ecotoxic properties, -*001 (see Sections 2 and 15 for detailed 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: 1133
Adhesives, containing flammable liquid
(not viscous)
(vapor pressure 110 kPa maximum at 50°C)
Packaging group: III
IMDG: Class: 3

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EMS: F-E, S-D
UN: 1133
Adhesives, containing flammable liquid

Marine pollutant: no
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 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 Highly flammable liquid
Xi Irritant

R-phrases:

11 Highly Flammable
36 Irritating to eyes
66 Repeated exposure may cause skin dryness and cracking
67 Vapors may cause drowsiness and dizziness

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
62 If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label

Special labeling:

n.a
National Regulation for Germany:
Water pollution class: 2

Ingredient	TSCA	EC	--Canada--	
			DSL	NDSL
Ethyl Acetate (141-78-6)	Yes	Yes	Yes	No
Acetone (67-64-1)	Yes	Yes	Yes	No

Ingredient	-SARA 302-		SARA 313	-RCRA-	CERCLA -	TSCA
	RQ	TPQ	List	RQ	261.33	8(d)
Ethyl Acetate	No	No	No	U112	5,000	No
Acetone	No	No	No	U002	5,000	No

16. OTHER INFORMATION

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HMIS: Health 2, Flammability 2, Reactivity 0

Text of risk phrases mentioned in Section 2:

F	Flammable liquid
Xi	Irritant
11	Highly Flammable
36	Irritating to eyes
66	Repeated exposure may cause skin dryness and cracking
67	Vapors may cause drowsiness and dizziness

For further information please refer to our technical information sheet. Data in this MSDS 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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