

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 02.10.2013

Revision: 02.10.2013

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name: KBP FLEX**

**Recommended Use of the Chemical and Restriction on Use:** Industrial use only.

**Details of Manufacturer or Importer:**

Warajay International (H) Pty Ltd  
Unit 4, 119 Gardens Drive  
Willawong QLD 4113

**Phone Number:** 07 3841 8833

**Emergency telephone number:** 07 3841 8833

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

H227 Combustible liquid.

**Label Elements**

**Signal Word** Warning

**Hazard Statements**

H227 Combustible liquid.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Precautionary Statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P362+P364 Take off contaminated clothing and wash it before reuse.

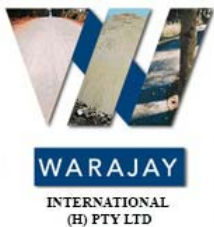
P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

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## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

27813-02-1	methacrylic acid, monoester with propane-1,2-diol	⚠ Skin Irrit. 2, H315	<40%
Proprietary	Glycols and polyols	40%	
Proprietary	Acrylates	40%	

**Additional information:**

Unstable (reactive) upon loss of inhibitor.

This material contains an inhibitor (HQ, MEHQ, etc) at &lt;1%. The type and amount meet production specifications.

## 4 . FIRST AID MEASURES

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.

**Ingestion:**

If swallowed, give two glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

**Information for Doctor****Symptoms Caused by Exposure:**

Inhalation: Symptoms may include coughing, mucous production and shortness of breath.

Eye: Symptoms may include burning sensation, redness, tearing, and swelling.

Ingestion: Symptoms may include nausea, diarrhea or constipation, ulceration and gastrointestinal irritation.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Carbon dioxide, dry chemical, foam, water spray or water fog.**Specific Hazards Arising from the Chemical:**

Explosion hazard. Use water spray to cool fire exposed containers.

**Special Protective Equipment and Precautions for Fire Fighters:**

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

## 6 . ACCIDENTAL RELEASE MEASURES

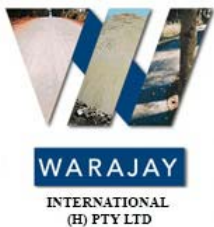
**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear Safe Work Australia approved air purifying respirator with organic vapor cartridge and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

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**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Contaminated material may be unstable. Add inhibitor to prevent polymerization.

**7. HANDLING AND STORAGE****Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from direct sunlight, heat, sparks or open flame. Keep away from acids, bases, oxidizing agents, reducing agents, free radical initiators and organic peroxides. Do not store under oxygen-free environment.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Standards (Safe Work Australia):**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering Controls:**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below the limits.

**Personal Protective Equipment (PPE):****Respiratory Protection:**

In case of intensive or longer exposure use Safe Work Australia approved air purifying respirator with organic vapor cartridge. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Rubber or plastic gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

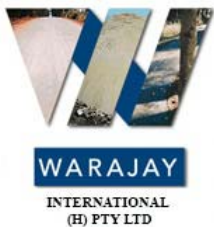
**Eye and Face Protection:**

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance:**

<b>Form:</b>	Liquid (low viscosity)
<b>Colour:</b>	Orange
<b>Odour:</b>	Fruit-like
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	>93.33 °C
<b>Flammability:</b>	Combustible liquid
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available

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<b>Upper:</b>	No information available
<b>Relative Density at 20 °C:</b>	1.07 g/cm <sup>3</sup>
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	Not applicable
<b>Solubility in Water:</b>	Slight

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:**

High temperatures, inhibitor depletion, accidental addition of impurities, exposure to radiation or oxidizers may cause spontaneous polymerization generating heat and pressure.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat and oxygen free environment.

**Incompatible Materials:**

Acids, bases, oxidizing agents, reducing agents, free radical initiators and organic peroxides.

**Hazardous Decomposition Products:** Oxides of carbon, nitrous compounds and hydrocarbons.

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:****Acute Health Effects****Inhalation:**

May cause a reversible inflammatory effect on the upper respiratory system. Symptoms may include coughing, mucous production and shortness of breath.

**Skin:** May cause a reversible inflammatory effect on skin.

**Eye:** May cause eye irritation. Symptoms may include burning sensation, redness, tearing, and swelling.

**Ingestion:**

May cause gastrointestinal irritation. Symptoms may include nausea, diarrhea or constipation, ulceration and gastrointestinal irritation.

**Skin Corrosion / Irritation:** Causes skin irritation.

**Serious Eye Damage / Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitisation:** No sensitising effects known.

**Germ Cell Mutagenicity:** No information available

**Carcinogenicity:**

Product may contain trace quantities of a substance(s) known to cause cancer and/or reproductive toxicity.

**Reproductive Toxicity:**

Product may contain trace quantities of a substance(s) known to cause cancer and/or reproductive toxicity.

**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

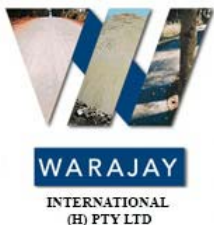
**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:** May cause an allergic sensitisation after repeated or prolonged exposure.

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available

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**Aquatic toxicity:** No information available**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available

## 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 . TRANSPORT INFORMATION

**UN Number** Not applicable  
**ADG, IMDG, IATA** Void**Proper Shipping Name** Not applicable  
**ADG, IMDG, IATA** Void**Dangerous Goods Class** Not applicable  
**ADG Class:** Void**Packing Group:** Not applicable  
**ADG, IMDG, IATA** Void**Marine pollutant:** No

## 15 . REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:**

27813-02-1 | methacrylic acid, monoester with propane-1,2-diol

## 16 . OTHER INFORMATION

**Creation Date:** 02.10.2013**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

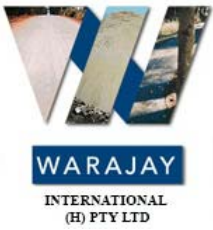
ADG: Australian Dangerous Goods  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
IARC: International Agency for Research on Cancer  
STEL: Short Term Exposure Limit  
TWA: Time Weighted Average  
NES: National Exposure Standard

**Disclaimer**

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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determinations as to the suitability of the information provided to the particular circumstances in which the product is used.