



BANKA

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Chemical name	Alkyl pyrrolidone preparation.
Supplier	Interagro (UK) Ltd Sworders Barn Sworders Yard North Street Bishop's Stortford Hertfordshire CM23 2LD
Emergency telephone	01279 501995 (during office hours) 07775 696268 (after office hours)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description Banka (ADJ No. 0245) is an agricultural, horticultural and forestry sticking, spreading and wetting agent containing 29.2% w/w alkyl pyrrolidones.

INGREDIENT	CONCENTRATION (% by weight)	HAZARD	DANGER SYMBOL(S)
Alkyl pyrrolidones	29.2	Risk of serious damage to eyes. Irritating to skin Harmful to aquatic organisms May cause long term adverse effects in the aquatic environment	Xi

3. HAZARDS IDENTIFICATION

Ingestion	Not a hazard under normal use conditions.
Inhalation	Not a hazard under normal use conditions.
Skin contact	Not a hazard under normal use conditions.
Eye contact	Causes severe eye irritation may damage tissue.
Environment	Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.



4. FIRST AID MEASURES

General	In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	Remove to fresh air. If breathing is difficult give oxygen. Obtain medical attention.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Wash for at least 15 minutes. Obtain medical attention. Launder clothes before reuse.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Obtain medical attention.
Ingestion	If patient is fully conscious, drink a few glasses of water or milk. Obtain medical attention. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Non flammable.	
Extinguishing media	water mist*, foam, dry chemical powder or carbon dioxide (CO ₂).
Unsuitable extinguishing media	waterjet.
Special exposure hazards	Non flammable. If involved in a fire, it will support combustion.
Hazardous decomposition / combustion products	Carbon dioxide, carbon monoxide, nitrous oxide, sulphur dioxide, hydrogen sulphide.
Protective equipment	Wear suitable protective clothing (refer to Section 8).
Other information	*Water spray may be ineffective unless used by experienced fire fighters.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with skin and clothing. Do not get in eyes. When using do not eat, drink or smoke. Wash thoroughly after handling. Avoid breathing mist. Use with adequate ventilation. Keep containers closed. Wear suitable protective clothing.
Environmental precautions	Expected to be harmful to aquatic life. Avoid discharge to natural waters. Dispose of this material and its container at hazardous or special waste collection point.



6. ACCIDENTAL RELEASE MEASURES (Continued)

Methods for cleaning up	Contain spill with inert material. Absorb in vermiculite, dry sand or earth. Place in container for disposal according to local regulations.
Other information	For personal protection see Section 8.

7. HANDLING AND STORAGE

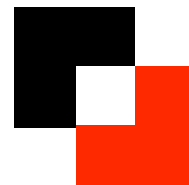
Handling	Avoid contact with skin and clothing. Do not get in eyes. When using do not eat, drink or smoke. Wash thoroughly after handling. Avoid breathing mist. Use with adequate ventilation. Keep containers closed. Wear suitable protective clothing.
Fire and explosion prevention	No specific recommendations
Storage requirements	Keep in the original container, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs. Store in a cool, dry place, out of direct sunlight.
Other information	To maintain quality, store at ambient temperatures and prevent from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	The usual precautionary measures for handling chemicals should be observed. Provide eyewash station.
Ventilation	Use in well ventilated area.
Respirators	Wear a NIOSH approved respirator appropriate for airborne exposure at the point of use.
Protective gloves	Wear Neoprene or nitrile gloves or gauntlets.
Eye protection	Wear goggles with side protection or faceshield
Exposure limits	No exposure limits have been established.
Other protective equipment	Eye bath and safety shower. Chemical apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless to yellow liquid.
pH value	8.1 (10% solution)
Boiling point/range	> 100°C
Flash point	> 93°C
Specific gravity (water = 1)	0.97
Solubility in water	Soluble in water.



10. STABILITY AND REACTIVITY

Stability	Stable. No decomposition if stored and handled properly.
Conditions to avoid	Extremes of temperature.
Materials to avoid	Normally unreactive; however, avoid strong bases, strong acids and strong oxidising agents.
Hazardous decomposition Products	No typical hazardous decomposition products known. Upon combustion may produce carbon dioxide, carbon monoxide, nitrous oxide, sulphur dioxide and hydrogen sulphide.

11. TOXICOLOGICAL INFORMATION

Name	Alkyl pyrrolidone preparation
Acute Oral LD₅₀	>2000 mg/kg (rat)
Irritation	
Skin	Irritant
Eye	Severely irritating

12. ECOLOGICAL INFORMATION

Degradability	Ultimately biodegradable.
Ecotoxicity	Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Disposal methods	Incineration is recommended. Dispose of in accordance with local authority requirements.
Waste category	Hazardous waste in accordance with the Council Directive 91/689/EEC of 12 December 1991 on hazardous waste.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.



15. REGULATORY INFORMATION

Chemical Description Alkyl pyrrolidone preparation.

Hazard symbols/Classification

Xi: IRRITANT

Risk phrase(s)

R38: Irritating to skin

R41: Risk of serious damage to eyes

R52: Harmful to aquatic organisms

R53: May cause long term adverse effects in the aquatic environment

Safety phrase(s)

S2: Keep out of reach of children

S7: Keep container tightly closed

S13: Keep away from food, drink and animal feedingstuffs

S20/21: When using do not eat, drink or smoke

S24/25: Avoid contact with skin and eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36: Wear suitable protective clothing

S37/39: Wear suitable gloves and eye/face protection

S49: Keep only in the original container

S61: Avoid release to the environment. Refer to special instructions/
Safety Data Sheets

This product is covered by the Control of Pesticides (Amendment) Regulations 1997, and is labelled accordingly.

The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of this product. Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACE SHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when in contact with contaminated surfaces and during application via hand held equipment.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying via tractor mounted sprayers

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

All other national and local regulations, if applicable to the use, transport or disposal of this product, should be observed.

EINECS

The ingredients of this product are on the EINECS inventory.

TSCA

The ingredients of this product are on the TSCA inventory.



16. OTHER INFORMATION

Recommended uses and restrictions

Banka (ADJ No. 0245) is an agricultural, horticultural and forestry sticking, spreading and wetting agent for use with pesticides.

Please consult the product label and/or application information bulletins for this product

This Safety Data Sheet was prepared in accordance with EC-Directive 93/112/EEC.

The information and recommendations in this publication relate only to the specific material identified, and are to the best of our current knowledge, information and belief accurate at the date of publication. Nothing herein is to be construed as a warranty, express or otherwise. In all cases, it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular purpose.

History

Date of issue: 18th March 2004 Revision: 2 Composed by: A. East

Changes were made in section: Sections 1, 2, 3, 11, 12, 13, 14, 15 in this issue have been revised.