

SAFETY DATA SHEET

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

Product Name: Boxer Vinyl Adhesive

Revision number:	1	Date of issue:	2 nd September 2002
Part number:	UN3577-82	MSDS number:	179
Formula:	#100 liquid vinyl adhesive		
Description:	Paint related materials, Adhesive		
Manufacturer:	Union Laboratories, Inc		
Manufacturer's address:	5600 N. Preston Road, Flagstaff, AZ 86004 USA		
Manufacturer's Phone Number:	001 520 526 8585		

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Percentage
Cyclohexanone	108-94-1	70-78%
DOP	117-81-7	
Vinyl resin	9003-22-9	
Vinyl resin	9005-09-8	

3. HAZARDS IDENTIFICATION

Main Hazards:	
R Phrases:	R10 Flammable R20 Harmful by inhalation
S Phrases:	S(2) Keep out of reach of children S25 Avoid contact with eyes
Hazard Identification:	Xn Harmful

4. FIRST-AID MEASURES

Eyes:	Flush thoroughly with water for 15 minutes. Get medical attention.
Skin:	Wash thoroughly with soap and water
Inhalation:	Get fresh air

5. FIRE-FIGHTING MEASURES

Flash Point:	135 deg F per ASTM D-93 closed cup
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	method
Extinguishing media:	Use water spray, carbon dioxide, dry chemical or foam.
Fire fighting comments:	Use supplied air and protective clothing. Hydrogen chloride will form under fire conditions

6. ACCIDENTAL RELEASE MEASURES

Spill mitigation:	Wear personal protective devices as indicated. Eliminate ignition sources. Contain liquid with dirt, sand or other non-combustible solids. Use water spray to flush and dilute spill to non-combustible mixture. DO NOT ALLOW SPILL TO ENTER DRAINS OR SEWERS.
Personal protection for emergency spill and fire fighting situations:	Use supplied air and protective clothing.

7. HANDLING AND STORAGE

Storage conditions:	Store in cool, dry, well-ventilated area away from sources of ignition.
Handling:	Avoid contact with skin. Avoid breathing vapours.
Incompatible materials for storage or transport:	Keep segregated from strong oxidants.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure standards:	
TWA:	N/A
WGK value:	N/A
Respiratory protection:	Avoid breathing vapour.
Ventilation:	Use mechanical exhaust system.
Eye/skin protection:	Wear neoprene protective gloves. Avoid eye contact, wear safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Water white liquid
Boiling point:	314 deg F
Specific gravity:	0.9944
Solubility in water @ 20°C:	Insoluble
Odour:	Aromatic odour

10. STABILITY AND REACTIVITY

Conditions under which this product may be unstable:	
Temperatures above:	N/A
Mechanical or shock impact:	N/A
Electrical (static) discharge:	Keep away from sparks and flames
Hazardous polymerisation:	Will not occur
Hazardous decomposition products:	Hydrogen chloride will form under fire conditions

11. TOXICOLOGICAL INFORMATION

Warning statements and properties:	
Routes of absorption:	Skin, eyes and inhalation
Signs, symptoms, and effects of exposure:	
Inhalation:	Moderate respiratory tract irritation. Narcosis may occur by inhalation at high level
Skin:	Moderated skin irritation
Eye:	Marked irritation, may cause corneal injury
Ingestion:	N/A
Medical conditions which are aggravated by exposure:	Irritant to the eyes and mucous membranes
Carcinogenicity:	N/A
Mutagenicity:	N/A

12. ECOLOGICAL INFORMATION

Not known

13. DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with UK and local regulations for hazardous waste. Use non-leaking containers. Seal containers tightly for proper disposal.

14. TRANSPORT INFORMATION

U.S. DOT:	Adhesive, 3, UN1133, PGIII
IMDG:	Adhesive, 3, UN1133, PGIII
RID/ADR	Adhesive, 3, UN1133, PGIII

15. REGULATORY INFORMATION

R Phrases:	R10, R20
S Phrases:	S(2), S25
Hazard classification:	Xn Harmful

16. OTHER INFORMATION

SDS revision status:	Revision One
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This material safety data sheet (SDS) has been prepared in compliance with the relevant EU directives and regulations. Using the SDS provided by Union Laboratories Inc dated April 23 1999. The information in this SDS should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. Certikin International Ltd believe this information to be reliable and up to date as of the date of publication, but makes no warranty that it is. Additionally, if this material safety data sheet is more than three years old, you should contact Certikin International at the phone number listed below to make certain that this sheet is current.

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