
1 PREPARATION AND COMPANY IDENTIFICATION

Preparation Identification:

LF 20 Advanced Cyanoacrylate

Company Identification and Telephone Number:

Intek Adhesives Ltd
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2 COMPOSITION /INFORMATION ON INGREDIENTS

Component	% by Wt	Hazard Symbol
Alkoxyethyl cyanoacrylate	80 - 100%	Danger. Contains cyanoacrylate, bonds skin & eyes in seconds
Polymeric thickener	0 - 20%	Keep out of reach of children

3 HAZARD IDENTIFICATION

Classification (CPL):

Danger: Contains cyanoacrylate. Bonds skin and eyes in seconds. Keep out of reach of children.

Main Health Hazards:

May cause skin and eye irritation. Bonds skin and eyes in seconds.

4 FIRST AID MEASURES

Inhalation:

Remove subject to fresh air. Seek medical advice if condition does not improve.

Skin Contact:

Accidentally bonded skin - if possible gently peel apart using blunt object. Do **not** try to force separation. Wash affected area regularly with soapy water, separation should occur within 1-4 days. Consult doctor if infection occurs.

Eye Contact:

Flush eyes with copious quantities of water for at least 15 minutes. Regularly bathe eyes in warm water, separation should occur within 1-4 days. Consult optician immediately.

Ingestion:

Unlikely to occur since material will harden in mouth. Regularly rinse mouth to release product, usually within 2 days. Position the patient to prevent ingestion of the released material. Apply plenty of water to lips and gently roll apart. Never induce vomiting. Seek medical attention. In the event of burns caused by contact with cyanoacrylate adhesive, treat accordingly once the hardened material has been released

5 FIRE FIGHTING MEASURES

Extinguishing media:

Water, foam, CO₂, dry powders.

Combustion Products:

CO and CO₂, others not determined.

Special Protective equipment for fire fighters:

For large fires the local fire brigade must be called. Respirators and protective clothing must be worn.

6 ACCIDENTAL RELEASE MEASURES

Personal Protection:

Gloves, overalls and eye/face protection are routinely recommended. If large quantities are involved then fresh air breathing apparatus or solvent filter masks are recommended. Contact with skin, eyes and inhalation of vapours to be strictly avoided.

Environmental Precautions:

No harmful ecological effects known. However, do not allow entry into sewers or natural environments.

Methods for cleaning up:

Evacuate area. Maximise ventilation. Contain spillage with sand or earth. Mechanically remove hardened product and dispose in accordance with local authority regulations.

Disposal Considerations:

See Section 13.

7 HANDLING & STORAGE

Handling Precautions:

Use fresh air breathing apparatus or solvent filter mask when exposed to large quantities otherwise good ventilation is required. Wear protective clothing, gloves and eye protection. High standards of industrial hygiene are necessary.

Storage (including any special requirements):

Store in original containers. Store upright in a cool, dry place at temperatures below 25°C and preferably between 0°C and +5°C. Atmosphere relative humidity should be maintained at 50 - 60 %.

Shelf Life:

One year when stored at temperatures between 0°C and +5°C. Six months when stored at temperatures between +5°C and +25°C.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation:

Good ventilation is required. Suction ventilation at source is recommended.

Respiratory Protection:

Use fresh air breathing apparatus or solvent filter mask when exposed to large quantities. In emergencies, high concentrations and confined spaces use self contained breathing apparatus. Do not use respirators/masks in confined spaces due to the lack of oxygen.

Eye Protection:

Safety glasses or goggles are recommended.

Hand Protection:

Gloves are recommended.

Skin Protection:

Overalls are recommended when large quantities of product are involved.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear Immiscible liquid.
Colour : Colourless / pale straw.
Odour : Negligible
Melting Point : < -30°C
Boiling Point : N/D
Flash Point : 87°C
Method used : Closed Cup
Flammability : N/D
Volatile Content : 0 %
Autoflammability : N/D
Explosive Limits : UEL : N/A
LEL : N/A
Oxidising properties : N/A
Vapour Pressure : N/A
(of principles component and name)
Relative density : @ 25°C Approx 1.07
Solubility in water : Insoluble and immiscible
Solubility in fat : N/A
Viscosity : Various (see individual TDS)

10 STABILITY & REACTIVITY

Conditions to avoid:

High temperatures. Sunlight.

Materials to avoid:

Lewis bases e.g. water, alcohols, amines and peroxides.

Hazardous Decomposition Products:

Not known.

Hazardous Polymerisation:

May occur.

Conditions to avoid:

High temperatures, water, alcohols, amines and peroxides.

11 TOXICOLOGICAL INFORMATION

Eye Contact:

Irritant. Bonds skin and eyes in seconds.

Skin Contact:

May cause irritation. Bonds skin and eyes in seconds.

Inhalation:

Ensure adequate ventilation. Prolonged inhalation of large quantities may cause irritation to the nose, throat and respiratory tract.

Ingestion:

Not established. However ingestion is unlikely to occur since material will harden in mouth.

Chronic effects:

None known.

12 ECOLOGICAL INFORMATION

Mobility :

No information available at the present time

Persistence and degradability :

No information available at the present time

Bioaccumulative potential :

No information available at the present time

Aquatic toxicity :

No information available at the present time

Ecotoxicity :

No information available at the present time

13 DISPOSAL CONSIDERATIONS

In accordance with local authority regulations. Dispose solid waste at an approved landfill site.

14 TRANSPORT INFORMATION

UN Number : None
UN Packing Group : None
IMDG Class :
IATA Class :
EmS :
MFAG Number :
ADR / RID :
Hazard Code :

15 REGULATORY INFORMATION

CPL Labelling:

Hazard: Adhesion

Contains: Cyanoacrylate

Risk Phrases:

Safety Phrases:

Other Mandatory Phrases:

Danger: Contains cyanoacrylate. Bonds skin and eyes in seconds. Keep out of reach of children.

Occupational Exposure Standards:

	Long Term	Short Term
HazardousWt.%	Exp (8 hour	Exp (10 min
Ingredient	TWA ref period)	ref period)
	ppm mg m ⁻³	ppm mg m ⁻³

16 OTHER INFORMATION

Other information:

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of information contained within this MSDS since the customer's treatment of the product is necessarily out of our control.

The data given above is based upon current knowledge and experience. It does not guarantee the properties of the products described.

Date of Preparation: **November 2000**