
1 PREPARATION AND COMPANY IDENTIFICATION

Preparation Identification:

Cyanoacrylate Adhesive (Cyanolit)

Company Identification and Telephone Number:

Intek Adhesives Ltd.,

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2 COMPOSITION/INFORMATION ON INGREDIENTS

Component	% By Wt.	CAS	Risk Phrases
Ethyl-2-cyanoacrylate	88.2%	7085-85-0	Xi; R36/ 37/38
Polymethylmethacrylate	11%	9011-14-7	Xi; R36/ 37/38

3 HAZARDS IDENTIFICATION

IRRITANT - Symbol; Xi

Irritating to eyes.

Irritating to respiratory system.

Irritating to skin.

Wear eye/face protection.

4 FIRST AID MEASURES

Inhalation

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

Skin Contact

Remove contaminated clothing. Accidentally bonded skin should be, gently, peeled apart using a blunt object. Do not force fingers to separate. Wash affected area with soapywater, separation should occur within 1-4 days. Seek medical attention if irritation persists.

Eye Contact

Irrigate eyes with clean water for at least 15 minutes. Take care not to wash chemical from one eye to another. Seek medical advice immediately.

Ingestion

Give plenty of water to drink. Beware of aspiration if vomiting occurs. Do not induce vomiting. Seek medical advice immediately.

5 FIRE FIGHTING MEASURES

Extinguishing media:

Water, foam, CO₂, dry powder

Combustion Products:

Toxic substances are produced when substance is involved in a fire including CO and CO₂. Do not breath decomposition products and fumes. Use approved self-contained breathing apparatus. Wear fire retardant clothing. Wear eye protection. Fires should only be dealt with by trained personnel. Use water spray to cool containers. Prevent runoff from fire control from entering waterways.

6 ACCIDENTAL RELEASE MEASURES

Personal Protection:

Ventilate area. Isolate the spillage. Wear suitable respirators for large spillage's and in confined spaces. Wear rubber gloves. Use eye protection such as goggles to BS2092 chemical grade.

Environmental Precautions:

Do not allow spill to enter drains or watercourses.

Methods for cleaning up:

Contain and absorb spillage with sand, absorbent granules or earth. Scoop up and place in metal drums then dispose in accordance with local authority regulation.

Disposal considerations:

In accordance with Local Authority Regulations. Classed as special waste.

7 HANDLING AND STORAGE

Handling precautions

Avoid skin contact. Avoid eye contact. Avoid inhalation of vapour. Ensure adequate ventilation. Use local extraction equipment where possible. Eliminate sources of ignition. Wear suitable protective clothing. See section 8.

Storage

Store in tightly closed labelled containers. Store in original containers. Store upright in a cool, dry place at temperatures below 18°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

Occupational Exposure Limit:

Not Assigned.

Biological Exposure Limit :

Not Assigned.

Ventilation:

Use in well ventilated areas. Mechanical control takes precedence.

Respiratory Protection:

If excessive inhalation is likely, use suitable respirators.

Eye Protection:

Safety glasses or goggles are recommended such as EN166 chemical grade.

Hand Protection:

Wear Rubber Gloves.

Skin Protection:

Keep skin covered.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear or coloured liquid/gel.
Colour: Various. Normally clear.
Odour: Pungent.
Melting point: <-30°C
Boiling point: 36 - 38°C (at 0.13 mbar)
Flash point: 83°C
Method used: N/A
Flammability: None.
Volatile Content: 0%
Autoflammability: N/D
Explosive limits
UEL: N/A
LEL: N/A
Oxidising properties: N/A
Vapour pressure: N/A
(of principle component)
Relative density: Approx. 1.0
Solubility in water: Insoluble and immiscible
Solubility in fat: N/A
Viscosity: Various (see Technical Sheet)

10 STABILITY & REACTIVITY

Stable at room temperature.

Conditions to avoid:

High temperatures. Sunlight.

Materials to avoid:

Oxidising agents, water, alcohols, amines, and peroxides

Hazardous decomposition products:

Not known. Hazardous exothermic polymerisation may occur.

Conditions to avoid:

High temperatures, water, alcohols, amines and peroxides

11 TOXICOLOGICAL INFORMATION

Routes of exposure:

Inhalation, skin and eye absorption, ingestion

Health effects:

Irritating to eyes, skin and respiratory tract.

Acute effects:

Profuse eye watering

Acute effects:

Irritation and redness at the site of skin contact

Acute effects from ingestion:

Nausea, vomiting and stomach pain

Chronic effects:

Kidney damage, liver damage

12 ECOLOGICAL INFORMATION

Ecotoxicity:

No specific data available.

Persistence:

No specific data available.

Biocummulative potential:

No specific data available.

Mobility:

No specific data available.

13 DISPOSAL CONSIDERATIONS

Do not discharge into drains or watercourses. Dispose as special waste in accordance with Local Authority Regulations. (Special Waste Regulations 1996)

14 TRANSPORT INFORMATION

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

15 REGULATORY INFORMATION

CPL Labelling

Symbol: IRRITANT, Xi

Hazard: IRRITANT

Risk Phrases:

Irritating to eyes. Irritating to respiratory system. Irritating to skin.

Safety Phrases:

Wear eye/face protection. Keep out of reach of children. Do not breathe gas, fumes, vapour or spray. Avoid contact with skin. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Bonds skin and eyes in seconds.

Other mandatory Phrases:

Contains: Cyanoacrylate.

Other regulations:

Health & Safety at work act 1974.

Control of substances hazardous to health regulations 1995

Environmental protection act 1990

Special waste regulations 1996

16 OTHER INFORMATION

Instructions to doctor:**Other Information:**

Polymerisation is highly exothermic. If large quantities of cyanoacrylate are spilled onto clothing the rapid polymerisation can cause burns so contaminated clothing

should be removed immediately.

Cyanoacrylates react rapidly with bases such as water, alcohols, amines and peroxides.

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