

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product identifier:

Identification as on the label/Trade name: Bio Soft Loc

Unique Product Code: 3, 3A

Relevant identification uses of the substance and uses advised against:

Identified uses: Ethyl acetate-based adhesive for use on hair units and wigs.

Uses advised against: No other uses are advised.

Details of the supplier of the Safety Data Sheet:

US address:

Professional Hair Labs
3795 Correia Drive
Zephyrhills, Florida 33542
+1-800-778-4247

EU address:

Professional Hair Labs
Scientific Cosmetix Office and Business Park
Whitemill Industrial Estate
Wexford Town, Wexford
Ireland Y35 X27W
+353-53-91-78582

Emergency telephone numbers:

Emergency Contact:

Professional Hair Labs USA: +1-800-778-4247 (USA)

Professional Hair Labs Ireland: +353-53-91-78582 (Ireland)

Section 2: Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: Regulation EC 1272/2008 [EU-GHS/CLP]

Hazard classes/Hazard categories:

Flammable Liquid (Category 2)

Eye Irritant (Category 2)

STOT SE (Category 3)

Label elements:

Hazard pictograms:



Signal word: Danger.

Hazard statements:

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

P264 + P265 Wash hands thoroughly after handling. Do not touch eyes.

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

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P319 Get medical help if you feel unwell.

P337 + P317 If eye irritation persists: Get medical help.

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

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

Other hazards: Refer to Section 3.

Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	SCLs, M-Factors, Acute Toxicity Estimates (ATE)	Classification EC1272/2008
	EC-No.			
ethyl acetate	141-78-6	30-40%	-	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
	205-500-4			

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

Description of first aid measures:

Inhalation: Remove to fresh air. Keep warm and at rest. Get medical attention.

Skin: Remove contaminated clothing. Wash skin with soap and water. Get medical attention if skin cracking or redness occurs.

Eyes: Immediately flush eye with large quantities of water for at least 10 minutes holding the eye open. Avoid contaminating unaffected eye.

Ingestion: Wash out mouth with water. Do not induce vomiting. Keep patient warm and at rest. Give 240-300 ml water to drink (only if patient is conscious). Repeat if patient vomits. Get medical attention.

Most important symptoms and effects, both acute and delayed:

Causes serious eye irritation. May cause drowsiness or dizziness.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Section 5: Fire-Fighting Measures

Extinguisher media:

Special hazards: Hazardous combustion products may include carbon monoxide.

Fire/explosion hazards: Highly flammable liquid. Vapors may form explosive mixtures with air. Vapor may cause flash fires. Vapors may accumulate in low or confined areas, travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create a fire or explosion hazard. Containers may explode when heated.

Extinguishing media: Suitable: Alcohol-resistant foam, dry chemical powder, carbon dioxide, water mist. Unsuitable: Water in a jet.

Protective equipment: Full protective clothing and self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Immediately contact emergency services. Eliminate all sources of ignition. Evacuate all non-essential personnel. Ventilate area. Be aware of possible accumulation of vapors. Follow fire-fighting measures.

Environmental precautions: Eliminate sources of ignition. Keep away from drains, water and soil. Advise authorities if spilled material has entered water courses or sewer or has contaminated soil or vegetation. Use water spray to cool heat exposed containers.

Methods for containment and cleaning up:

Absorb or contain liquid with sand, earth or spill control material. Collect and place in a labelled sealable container for subsequent safe disposal. Flush contaminated area with plenty of water.

Section 7: Handling and Storage

Precautions for safe handling:

Eliminate sources of ignition. Only use in well ventilated areas. Keep container tightly closed when not in use. Provide emergency eye washing and shower facilities. Take precautions against static discharge by earthing and bonding all containers and equipment before transferring material. Use explosion proof electrical (ventilating, lighting and material handling) equipment.

Conditions for safe storage, including incompatibilities:

Storage area should be cool, dry and away from sources of ignition. Keep away from direct sunlight. Keep in a well-ventilated place.

Specific end uses: Use only as directed.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits:

Ethyl acetate, CAS 141-78-6

NIOSH REL

TWA 400 ppm (1400 mg/m³)

OSHA PEL

TWA 400 ppm (1400 mg/m³)

EU agreed limit 200ppm (8hr TWA)

Exposure controls:

Appropriate engineering controls: Use local exhaust ventilation if concentrations in air could exceed occupational exposure standard.

Individual protection measures, such as personal protective equipment:

Respiratory protection: Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

Eye protection: Protective goggles with side-shields.

Hand protection: Gloves made from butyl rubber (breakthrough times >480 minutes), Neoprene™ rubber, nitrile rubber (breakthrough times up to 480 minutes).

Body protection: Neoprene™ apron. Rubber boots.

Environmental protection: Defined as a volatile organic chemical under directive 99/13. No special limits apply.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance (form): Liquid.

Color: Colorless.

Odor: Solvent.

Odor threshold: No data available.

pH (concentration): No data available.

Melting point/range (°C): No data available.

Boiling point/range (°C): 121 - 183 °C

Flash point (°C): -4 °C (Ethyl acetate)

Evaporation rate: No data available.

Flammability (solid, gas): Highly flammable liquid and vapor.

Upper/lower flammability/explosive limits: No data available.

Vapor pressure: No data available.

Vapor density: 2.18

Relative density (25 °C): 1.04

Water solubility (g/L) at 20 °C: Insoluble.

n-Octanol/Water partition coefficient: No data available.

Auto-ignition temperature: No data available.

Viscosity, dynamic (mPa s): No data available.

Section 10: Stability and Reactivity

Stability: Stable under normal conditions. On storage, it is slowly decomposed by water.

Conditions to avoid: Sources of ignition.

Materials to avoid: Oxidizing agents, acids, alkalis.

Hazardous decomposition products: Oxides of carbon on combustion.

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity: No data available.
Skin corrosion/irritation: No data available.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: Not data available.
Reproductive toxicity: No data available.
STOT-single exposure: May cause drowsiness or dizziness.
STOT-repeated exposure: No data available.
Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Results of PBT& vPvB assessment: No data available.
Other adverse effects: No data available.

Section 13: Disposal Considerations

Waste disposal: Dispose of as hazardous waste. Recover or recycle if possible. Otherwise, incineration. Dispose of in accordance with all local regulations.
Container disposal: Drain container thoroughly. Empty containers may contain highly flammable residues. Do not cut, grind, drill, weld or dispose of containers unless adequate precautions have been taken against this hazard. Do not remove container labels until they are cleaned. Send to drum recover or metal reclaimer.

Section 14: Transport Information

UN number: 1173
UN proper shipping name: Ethyl acetate solution
Transport hazard class: Class 3
Packing group: II

Section 15: Regulatory Information

EU regulations:

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended
Not listed.
Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I
Not listed.
Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations:

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use:

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use

Not regulated.

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding.

Not regulated.

Other EU regulations:

Directive 2012/18/EU on major accident hazards involving dangerous substances

Not listed.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Always applicable.

Directive 94/33/EC on the protection of young people at work

ethyl acetate, CAS 141-78-6

Other regulations: The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations: Follow national regulation for work with chemical agents.

Chemical safety assessment: No Chemical Safety Assessment has been carried out.

Section 16: Other Information

Indication of changes: GHS aligned.

Relevant classification and H statements (number and full text):

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Training instructions: Use as instructed.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers: Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.