



Allied Pressroom Products
Chemicals for the International Printing Industry

SAFETY DATA SHEET ENVIROSOLV

1. Identification

Product identifier

Product name ENVIROSOLV

Recommended use of the chemical and restrictions on use

Application For use as a blanket and roller wash in the lithographic printing industry. Blanket and roller wash.

Uses advised against No specific uses advised against are identified. Not for sale in the European Union.

Details of the supplier of the safety data sheet

Supplier ALLIED PRESSROOM PRODUCTS
2040 Lee Street
Hollywood
FL 33020
USA
+1 800-327-8487 (09:00-17:00 EST)
+1 954-923-6462
info@alliedchem.com

Manufacturer Same as supplier

Emergency telephone number

Emergency telephone 24 HR. EMERGENCY TELEPHONE 800-424-9300 CHEMTREC Allied Pressroom Products
+1 800-327-8487 (09:00-17:00 EST)

National emergency telephone number 911

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Flam. Liq. 3 - H226
Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317
Environmental hazards Not Classified

Human health Product has a defatting effect on skin. Irritating to skin. Irritating to eyes. The product contains a sensitizing substance. May cause skin sensitization or allergic reactions in sensitive individuals. Vapors may irritate throat/respiratory system. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.

Environmental The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Physicochemical Heating will generate vapours which may form explosive vapour/air mixtures.

Label elements

ENVIROSOLV

Pictogram



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapor.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.

Precautionary statements

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with national regulations.

Contains

4-chloro- α,α,α -trifluorotoluene, (R)-p-mentha-1,8-diene

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

4-chloro-α,α,α-trifluorotoluene	10-30%
CAS number: 98-56-6	
Classification	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Eye Irrit. 2A - H319	
Skin Sens. 1B - H317	
STOT SE 3 - H335	
(R)-p-mentha-1,8-diene	1-5%
CAS number: 5989-27-5	
M factor (Acute) = 1	
M factor (Chronic) = 1	
Classification	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Skin Sens. 1B - H317	
Asp. Tox. 1 - H304	

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation

Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

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Ingestion	Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Remove affected person from source of contamination. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

Most important symptoms and effects, both acute and delayed

Inhalation	Prolonged or repeated exposure to vapors in high concentrations may cause the following adverse effects: Upper respiratory irritation. Drowsiness, dizziness, disorientation, vertigo.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged contact may cause redness, irritation and dry skin. Irritating. The product contains a sensitizing substance. May cause sensitization or allergic reactions in sensitive individuals.
Eye contact	Causes eye irritation.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Carbon dioxide (CO ₂). Alcohol-resistant foam. Dry chemicals, sand, dolomite etc.
Unsuitable extinguishing media	Do not use water, if avoidable.

Special hazards arising from the substance or mixture

Specific hazards	The product is flammable. Heating may generate flammable vapors.
Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Hydrocarbons.

Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapors. Containers close to fire should be removed or cooled with water. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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Methods and material for containment and cleaning up

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Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid contact with skin or inhalation of spillage, dust or vapour. Absorb in vermiculite, dry sand or earth and place into containers.

Reference to other sections For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapors. Use approved respirator if air contamination is above an acceptable level.

Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidizing materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Flammable liquid storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection

Ingredient comments No exposure limits known for ingredient(s).

Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate general and local exhaust ventilation.

Eye/face protection The following protection should be worn: Chemical splash goggles or face shield.

Hand protection Wear protective gloves made of the following material: Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). Nitrile rubber.

Other skin and body protection Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

Hygiene measures Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Do not smoke in work area.

Respiratory protection No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance Emulsion.

Color White/off-white.

Odor Hydrocarbons.

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Odor threshold	No information available.
pH	Not applicable.
Melting point	Not applicable.
Initial boiling point and range	>212°F @ 760 mm Hg
Flash point	130°F TCC (Tag closed cup).
Evaporation rate	< 1 (butyl acetate = 1)
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	<3 mm Hg @ 20°C
Vapour density	>1
Relative density	0.98 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Miscible with water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Oxidising properties	Not applicable.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
Volatile organic compound	This product contains a maximum VOC content of 42 g/l. This product contains a maximum VOC content of 0.35 lb per Gallon.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid heat.
Materials to avoid	Strong oxidizing agents. Strong reducing agents. Strong alkalis.
Hazardous decomposition products	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂). Hydrocarbons.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

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Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Sensitizing.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Inhalation

May cause respiratory system irritation. The product contains organic solvents. Overexposure may depress the central nervous system, causing dizziness and intoxication.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Irritating. Repeated exposure may cause skin dryness or cracking. The product contains a sensitizing substance. May cause sensitisation by skin contact.

Eye contact

Causes serious eye irritation.

Route of entry

Skin and/or eye contact Inhalation

Target Organs

Central nervous system Respiratory system, lungs Skin Eyes

12. Ecological Information

Ecotoxicity

Not known. The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Toxicity

Acute toxicity - fish

Not known.

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Acute toxicity - aquatic invertebrates Not known.

Acute toxicity - aquatic plants Not known.

Ecological information on ingredients.

(R)-p-mentha-1,8-diene

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

NOEC 0.001 < NOEC ≤ 0.01

Degradability Rapidly degradable

M factor (Chronic) 1

Persistence and degradability

Persistence and degradability There are no data on the degradability of this product. Only for use outside the EU - The surfactants contained in this preparation do not meet the criteria for Ultimate Biodegradability and therefore the product does not comply with the Detergents Regulation (EC) No 648/2004.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Partition coefficient No information available.

Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is miscible with water and may spread in water systems.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Other adverse effects

Other adverse effects Not known.

13. Disposal considerations

Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered. Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

UN Number

UN No. (DOT) 1993

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UN No. (IMDG) 1993

UN No. (ICAO) 1993

UN proper shipping name

Proper shipping name (DOT) FLAMMABLE LIQUID, N.O.S. (4-chloro- α,α,α -trifluorotoluene & (R)-p-mentha-1,8-diene)

Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (4-chloro- α,α,α -trifluorotoluene & (R)-p-mentha-1,8-diene)

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (4-chloro- α,α,α -trifluorotoluene & (R)-p-mentha-1,8-diene)

Transport hazard class(es)

IMDG Class 3

ICAO class/division 3

Transport labels



Packing group

DOT pack group III

IMDG packing group III

ICAO packing group III

Environmental hazards

Environmentally Hazardous Substance



Special precautions for user

EmS F-E, S-E

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not Known

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

Not listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

Not listed.

SARA 313 Emission Reporting

Not listed.

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CAA Accidental Release Prevention

Not listed.

FDA - Essential Chemical

Not listed.

FDA - Precursor Chemical

Not listed.

OSHA Highly Hazardous Chemicals

Not listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

Not listed.

California Air Toxics "Hot Spots" (A-I)

Bis(2-ethylhexyl) adipate

10-30%

California Air Toxics "Hot Spots" (A-II)

Not listed.

California Directors List of Hazardous Substances

Bis(2-ethylhexyl) adipate

10-30%

Massachusetts "Right To Know" List

Bis(2-ethylhexyl) adipate

10-30%

Rhode Island "Right To Know" List

Not listed.

Minnesota "Right To Know" List

Not listed.

New Jersey "Right To Know" List

Bis(2-ethylhexyl) adipate

10-30%

Pennsylvania "Right To Know" List

Bis(2-ethylhexyl) adipate

10-30%

Inventories

Canada - DSL/NDSL

All the ingredients are listed or exempt.
DSL

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

ENVIROSOLV

Not listed.

16. Other information

Key literature references and sources for data	Material Safety Data Sheet, Misc. manufacturers.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Issued by	J Waterfield
Revision date	7/2/2015
Revision	2.0
Supersedes date	9/1/2012
SDS No.	21515
Hazard statements in full	H226 Flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.
ACA HMIS Health rating.	Moderate hazard. (2)
ACA HMIS Physical hazard rating.	Normally stable. (0)
ACA HMIS Personal protection rating.	C
ACA HMIS Flammability rating.	Burns only if heated moderately. (2)

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.