



Allied Pressroom Products
Chemicals for the International Printing Industry

SAFETY DATA SHEET DYNAKLEAN (USA)

1. Identification

Product identifier

Product name DYNAKLEAN (USA)

Recommended use of the chemical and restrictions on use

Application For use as a roller cleaner in the lithographic printing industry. Roller cleaner.

Uses advised against No specific uses advised against are identified.

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

Emergency telephone number

Emergency telephone 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

Not Classified

Health hazards

Eye Irrit. 2A - H319 Skin Sens. 1 - H317

Environmental hazards

Not Classified

Human health

Irritating to eyes. The product contains a sensitizing substance. May cause sensitization or allergic reactions in sensitive individuals.

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.

Label elements

Pictogram



Signal word Warning

DYNAKLEAN (USA)

Hazard statements

H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 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

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

Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

3. Composition/information on ingredients

Mixtures

monoethanolamine oleate CAS number: 2272-11-9	5-10%
Classification Eye Irrit. 2A - H319	
(R)-p-mentha-1,8-diene CAS number: 5989-27-5 M factor (Acute) = 1 M factor (Chronic) = 1	5-10%
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304	
C9-11 ALCOHOL ETHOXYLATE CAS number: 68439-46-3	1-5%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	

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. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin Contact

Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if

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irritation persists after washing.

Eye contact

Wash with plenty of soap and water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

Inhalation

May cause respiratory system irritation. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.

Ingestion

May cause stomach pain or vomiting.

Skin contact

The product contains a sensitizing substance. May cause skin sensitization or allergic reactions in sensitive individuals. Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Causes serious eye irritation. Symptoms following overexposure may include the following: Redness. Pain.

Indication of immediate medical attention and special treatment needed

Notes for the doctor

No specific recommendations.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Extinguish with the following media: Carbon dioxide (CO₂). 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

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapors.

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.

Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up

Wash thoroughly after dealing with a spillage. Absorb in vermiculite, dry sand or earth and place into containers.

Reference to other sections

For waste disposal, see Section 13.

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7. Handling and storage

Precautions for safe handling

Usage precautions

Avoid spilling. Avoid contact with skin, eyes and clothing. 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

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

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

Control parameters

Occupational exposure limits

Ingredient comments

No exposure limits known for ingredient(s).

Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly 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 must be used if the airborne contamination exceeds the recommended occupational exposure limit. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance

Viscous liquid. Emulsion.

Color

White.

Odor

Citrus.

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Odor threshold

No information available.

pH

pH (concentrated solution): Alkaline

Melting point

Not applicable.

Initial boiling point and range

>100°C/212°F @ 760 mm Hg

Flash point

> 93°C/200°F TCC (Tag closed cup).

Evaporation rate

< 1 (butyl acetate = 1)

Upper/lower flammability or explosive limits

No information available.

Vapour pressure

<3.0 mm Hg @ 20°C

Vapour density

>1

Relative density

~ 0.91 @ 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 available.

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 79 g/litre. This product contains a maximum VOC content of 0.7 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.

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Conditions to avoid

Avoid excessive heat for prolonged periods of time.

Materials to avoid

Strong oxidizing agents. Strong acids. Strong reducing agents. Strong alkalis.

Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x). Hydrocarbons.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Based on available data the classification criteria are not met.

ATE oral (mg/kg)

75,675.67567568

Acute toxicity - dermal

Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Irritating to eyes.

Respiratory sensitisation

Based on available data the classification criteria are not met.

Skin sensitisation

Sensitizing.

Germ cell mutagenicity

Genotoxicity - in vitro

Does not contain any substances known to be mutagenic.

Carcinogenicity

Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility

Does not contain any substances known to be toxic to reproduction.

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

Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation

May cause respiratory system irritation. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.

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Ingestion

May cause discomfort if swallowed.

Skin Contact

Contains components which may penetrate the skin. May cause sensitisation by skin contact. Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Causes serious eye irritation.

Route of entry

Skin and/or eye contact Inhalation Skin absorption

Target Organs

Skin Eyes Respiratory system, lungs Brain Central nervous system

Medical Symptoms

Irritation of eyes and mucous membranes. Skin irritation. Allergic rash. Headache. Nausea, vomiting. Central nervous system depression. Coughing. Dryness and/or cracking.

12. Ecological Information

Ecotoxicity

Not known. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms. 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.

Acute toxicity - aquatic invertebrates

Not known.

Acute toxicity - aquatic plants

Not known.

Persistence and degradability

Persistence and degradability

The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer. There are no data on the degradability of this product.

Bioaccumulative 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

This substance is not classified as PBT or vPvB according to current EU criteria.

Other adverse effects

Not known.

13. Disposal considerations

Waste treatment methods

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General information

When handling waste, the safety precautions applying to handling of the product should be considered.

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)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082

UN proper shipping name

Proper shipping name (DOT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS (R)-p-mentha-1,8-diene)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS (R)-p-mentha-1,8-diene)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS (R)-p-mentha-1,8-diene)

Transport hazard class(es)

IMDG Class	9
ICAO class/division	9

Transport labels



Packing group

DOT pack group	III
IMDG packing group	III
ICAO packing group	III

Environmental hazards

Environmentally Hazardous Substance



Yes.

Special precautions for user

EmS F-A, S-F

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

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

Not listed

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

Not listed

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

Not listed

SARA 313 Emission Reporting

Not listed

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)

Not listed

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

Not listed

California Directors List of Hazardous Substances

2-AMINOETHANOL

<1%

Massachusetts "Right To Know" List

2-AMINOETHANOL

<1%

Rhode Island "Right To Know" List

2-AMINOETHANOL

<1%

Minnesota "Right To Know" List

2-AMINOETHANOL

<1%

New Jersey "Right To Know" List

DI-ISONONYL PHTHALATE

50-60%

2-AMINOETHANOL

<1%

Pennsylvania "Right To Know" List

DI-ISONONYL PHTHALATE

50-60%

2-AMINOETHANOL

<1%

Inventories

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Canada - DSL/NDSL

All the ingredients are listed or exempt.

DSL

US - TSCA

All the ingredients are listed or exempt.

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 2/5/2015

Revision 2.1

Supersedes date 12/15/2014

SDS No. 21053

Hazard statements in full

- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.

ACA HMIS Health rating. Slight hazard. (1)

ACA HMIS Physical hazard rating. Normally stable. (0)

ACA HMIS Personal protection rating. C

ACA HMIS Flammability rating. Burns only if pre-heated. (1)

Disclaimer

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.