

DYNAMIC UV WASH

UV Ink Cleaner for Roller & Blanket

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

- 1.1 ID product: Dynamic UV Wash
1.2 Identified use: Roller & Blanket Cleaner
1.3 Details of the MSDS's supplier: KPN Graphic Supply Co.,Ltd
99/141 Moo2 Pantainorasing, Muang Samutsakorn,
Samutsakorn, 74000, Thailand
E-mail address : kpnsale@kpn2552.com
1.4 Emergency calls: 034-871604-6

SECTION 2: HAZARDS IDENTIFICATION

GHS classification and label elements of the product

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No.1272/2008 [CLP]

HEALTH HAZARDS

Acute toxicity (Oral): Category 4

Skin corrosion/irritation: Category 2

Serious eye damage/eye irritation: Category 2

(Note) GHS classification without description: Not classified/Classification not possible

2.2 Label elements



Signal word: Warning

HAZARD STATEMENT

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

PRECAUTIONARY STATEMENT

Prevention

P264 Wash contaminated parts thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P270 Do not eat, drink or smoke when using this product.



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Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

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

P337 + P313 If eye irritation persists: Get medical advice/attention.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P301 + P330 IF SWALLOWED: Rinse mouth.

Disposal

P501 Dispose of contents/container in accordance with local/national regulation.

2.3 Other hazards

The product does not contain any ingredient designated as PBT and/or vPvB.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component Identification	CAS No.	Content %
HAZCODE_EU	ECNO	
2-Butoxy ethanol	111-76-2	40-50
Acute Tox. 4, H332; Acute Tox. 4, H312; Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Irrit. 2, H315	203-905 0	
2-(2 Butoxyethoxy) ethanol	112-34-5	40-50
Eye Irrit. 2, H319	203-961-6	

SECTION 4: FIRST AID MEASURES

Inhalation: Remove the victim into fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin: Wash with water and soap as a precaution. If skin irritation persists, get medical advice/attention.

Eye contact: Rinse immediately with plenty of water. If eye irritation persists, get medical advice/attention.

Swallowed: Rinse mouth. Do NOT induce vomiting. Consult a physician/medical service if necessary.

Protective measures for first aid

Protect yourself by wearing rubber gloves and air-tight safety goggles.



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SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities. The product is non-flammable.

5.2 Advice for firefighters

Specific fire-fighting measures

Eliminate all ignition sources if safe to do so. Cool container with water spray.

Apply water from a safe distance to cool and protect surrounding area.

Prevent extinguishing water from entering sewers.

Special protective equipment and precautions for fire-fighters

Wear fire/flame resistant/retardant clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personnel precautions, protective equipment and emergency procedures

Wear proper protective equipment.

Eliminate all sources of ignition and ventilate the area.

Stand at upwind. Evacuate personnel at downwind.

Stop leak if safe to do so.

6.2 Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

6.3 Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

For large spill, dike for later disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Preventive measures

(Exhaust/ventilator)

Exhaust/ventilator should be available.

Safety Measures

Wear protective gloves/protective clothing/eye protection/face protection.

Wash hands et al thoroughly after handling.

Advice on general occupational hygiene

Wash contaminated parts thoroughly after handling.

Do not eat, drink or smoke when using this product.

Take off contaminated clothing and wash it before reuse.

7.2 Storage

Conditions for safe storage

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

(Incompatible storage condition)

Protect from sunlight. Do not expose to temperatures exceeding 50°C.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Adopted value

(2-Butoxy ethanol)

ACGIH(1996) TWA: 20ppm (Eye & URT irr)

(2- (2-Butoxyethoxy) ethanol)

ACGIH(2012) TWA: 10ppm (IFV) (Hematologic; liver & kidney eff)

8.2 Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Washing facilities should be available.

Individual protection measures

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Color: Clear

Odor: Characteristic odor. Odor threshold data is not available.

Melting point/Freezing point data is not available.

Boiling point or initial boiling point: 100°C(Water). Boiling range data is not available.

Flammability (gases, liquids and solids): Non-flammable

Lower and upper explosion limit/flammability limit data is not available.

Flash point: Non-flammable

Auto-ignition temperature data is not available.

Decomposition temperature data is not available.

pH: Not applicable

Dynamic viscosity: No information

Solubility: Solubility in water: Soluble

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Vapor density data is not available.

Evaporation rate data is not available.

Density and/or relative density: 0.94-0.95(20°C)

Relative vapor density (Air=1) data is not available.

Particle characteristics: Not applicable



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SECTION 10: STABILITY AND REACTIVITY

10.2 Chemical stability

Stable under normal storage/handling conditions

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenicity

(2-Butoxy ethanol)

IARC-Gr.3 : Not Classifiable as a Human Carcinogen

(2-Butoxy ethanol)

ACGIH-A3(1996) : Confirmed Animal Carcinogen with Unknown Relevance to Humans

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

STOT

STOT-single exposure data is not available.

STOT-repeated exposure data is not available.

Aspiration hazard data is not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecotoxicity data is not available.

(2-Butoxy ethanol) miscible (ICSC, 2003)

(2- (2-Butoxyethoxy) ethanol) 100 g/100 ml (PHYSROP_DB, 2009)

12.2 Persistence and degradability

(2-Butoxy ethanol) BOD Degradation : 96% (Registered chemicals data check & review)

12.3 Bio accumulative potential

(2-Butoxy ethanol) log Pow=0.83 (PHYSROP DB, 2005)

(2- (2-Butoxyethoxy) ethanol) log Pow=0.3 (ICSC, 2004)

12.4 Mobility in soil

Mobility in soil data is not available.

12.7 Other adverse effects

Ozone depleting chemical data is not available.

SECTION 13: DISPOSAL INFORMATION

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Do not dump into sewers, on the ground or into any body of water.



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SECTION 14: TRANSPORT INFORMATION

UN No., UN CLASS

14.1 UN No. or ID No.: Not applicable

14.5 Environmental hazards

MARPOL Annex III - Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

14.6 Special precautions for user

Protect from direct sunlight or rain.

14.7 Maritime transport in bulk according to IMO instruments

Noxious Liquid ; Cat. Y

2-Butoxy ethanol

Noxious Liquid ; Cat. Z

2- (2-Butoxyethoxy) ethanol

Non Noxious Liquid ; Cat. OS

Water

SECTION 15: REGULATORY INFORMATION

Other regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations

SECTION 16: OTHER INFORMATION

GHS classification and labelling

Acute Tox. 4: H302 Harmful if swallowed

Skin Irrit. 2: H315 Causes skin irritation

Eye Irrit. 2: H319 Causes serious eye irritation

Reference Book

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN

IMDG Code, 2018 Edition (Incorporating Amendment 39-18)

IATA Dangerous Goods Regulations (62nd Edition) 2021

EU REGULATION (EC) No. 1272/2008 (CLP), amended by COMMISSION REGULATION (EU) 2019/521

2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2021 TLVs and BEIs. (ACGIH)

JIS Z 7252 : 2019

JIS Z 7253 : 2019

2020 Recommendation on TLVs (JSOH)

Supplier's data/information

Hazard Communication Standard - 2012 (29 CFR 1910.1200)

Notification of the Ministry of Industry "Hazardous Substance Identification and Communication Systems", BE 2555 (2012)

Notification of Department of Labor Protection and Welfare "Limit of Concentration of Hazardous Substances", BE 2560 (2017)



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General Disclaimer

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.

The GHS classification data given here is based on current EU official data (Consolidated version of the CLP Regulation published in 14.11.2020).



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