

1. IDENTIFICATION OF THE MIXTURE AND OF THE SUPPLIER

Product Identifier

Product Thinner for 2K Primer [86-115]

Recommended use of chemical Use as Thinner

Restriction on use No open flames, No sparks, and No smoking

Supplier's details

Company Big-Ben Chemical Company Limited

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2. HAZARD IDENTIFICATION

Classification of the substance or mixture

This product has been classified in accordance with the hazard communication standard 29 CSR 1910.1200; the SDS and labels contain all the information as required by the standard.

Flammable liquids

Acute toxicity - oral

Skin corrosion/irritation

Eye damage/irritation

Category 2

Eye damage/irritation

Category 2

Toxic to reproduction

Category 2

Specific target organ toxicity

Category 3

(single exposure)

Specific target organ toxicity Category 2

(repeated exposure)

Aspiration hazard Category 1
Hazardous to the aquatic environment - Category 2

acute hazard

Remark:

Percentage of mixture consisting of ingredient(s) of unknown oral toxicity: 0.00%

Percentage of mixture consisting of ingredient(s) of unknown dermal toxicity: 0.00%

Percentage of mixture consisting of ingredient(s) of unknown inhalation toxicity: 83.00%

GHS label elements

Pictogram or symbol



Signal word Danger

Hazard statement:

H225 Highly Flammable liquid and vapour

H303 May be harmful if swallowed

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness

H361 Suspected of damaging fertility or the unborn child

H373 May cause damage to organs through prolonged or repeated exposure

H401 Toxic to aquatic life

Precautionary statement



[PREVENTION]

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground / bond container and receiving equipment.

P241 Use explosion-proof electrical / ventilating / lighting / equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust / fume / gas / mist / vapors / spray.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

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

P273 Avoid release to the environment.

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

[RESPONSE]

P301+P310 IF SWALLOWED Immediately call a POISON CENTER or doctor / physician.

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

P303+P361+P353 IF ON SKIN (or hair) Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P304+P340 IF INHALED Remove victim to fresh air and keep at rest in a position 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.

P308+P313 IF exposed or concernedGet medical advice / attention.

P312 Call a POISON CENTER or doctor / physician if you feel unwell.

P314 Get medical advice / attention if you feel unwell.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P332+P313 IF skin irritation occursGet medical advice / attention.

P337+P313 IF eye irritation persistsGet medical advice / attention.

P362 Take off contaminated clothing and wash before reuse.

P370+P378 In case of fire Use dry sand, dry chemical or alcohol-resistant foam for extinction.

[STORAGE]

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

P405 Store locked up.

[DISPOSAL]

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

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Content % (w/w)
1-ACETOXY-2-ETHOXYETHANE	111-15-9	20.90 - 24.20
Acetone	67-64-1	16.15 - 18.70
Toluene	108-88-3	57.95 - 67.10

4. FIRST AID MEASURES

Inhalation Remove to fresh air. If unconscious, place in recovery position and seek medical attention

immediately.

Skin contact Immediately flush with water for at least 15 minutes. Remove containinated clothing. Seek medical

attention immediately. Wash thoroughly after handling.

Eye contact Hold eyelids apart and immediately flush with plenty of water for 15 minutes. Seek medical advice.

Remove contact lenses.

Ingestion Rinse mouth with water. Never give anything by mouth to an unconscious person. Obtain medical

attention. If swallowed, DO NOT induce vomitting unless directed to do so by medical personnel.

Most important symptoms (affacts, acuto and Dizzinass Drawsinass Haadasha Nausaa Vamittina Waaknass Uncanssiausnass Clin and ava



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DIZZINESS. DIOWSINESS. FIEGUACHE, INGUSEA, VOINILLING, WEGKNESS, OFFICUISCIOUSHESS. SKIII GITU EYE redness. Pain. Nausea. Vomitting.

delayed

5. FIRE FIGHTING MEASURES

Suitable extinguishing media Dry chemical. Carbon Dioxide (CO₂). Alcohol-resistant foam. Water spray.

Unsuitable extinguishing media High volume water jet.

Specific hazards arising from the chemical Flammable liquid. Vapors can form an ignitable misture with air. Vapors can flow along surfaces to a

distant ignition source and flash back. Container may rupture on heating.

Specific protective equipment and

precautions for firefighters

Wear self-contained breathing apparatus and full protective clothing for firefighting.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment,

and emergency procedures

Keep unnecessary personnel away. Prevent further leakage or spillage if safe to do so. Use personal

protective equipment. Use only non-sparkling tools.

Environmental precautions Prevent the material from entering drains or water courses.

Methods and materials for containment and

cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national

regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid breathing vapor and contact with eyes, skin, and clothing. Do no leave containers open. Avoid

repeated or prolonged contact with skin.

Conditions for safe storage, including any

incompatibilites

Keep away from heat or flames. Keep in cool, dry, ventilated storage and in closed

containers. Store away from oxidizing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

1-ACETOXY-2-ETHOXYETHANE

OSHA

PEL-TWA 100¹¹

Skin notification Y11

NIOSH

REL-TWA 0.511

Skin notification Y11

ACGIH

TLV-TWA 5¹¹

Skin notification Y11

CAL/OSHA

PEL-TWA 5¹¹

Skin notification Y11

Safe Work Australia (Australia, 4/2024)

TWA: 2 ppm 8 hours. 14

TWA: 10.9 mg/m³ 8 hours. 14

Acetone

PEL-TWA 1000⁵²

Skin notification N⁵²

NIOSH

REL-TWA 250⁵²

Skin notification N⁵²

ACGIH

TLV-TWA 2500⁵²

TLV-STEL 500⁵²

Skin notification N52

CAL/OSHA

PEL-TWA 500⁵²

PEL-STEL 750⁵²

סבור כי אחרים 2

FLL-C JUUU

Skin notification N52

Safe Work Australia (Australia, 4/2024)

TWA: 250 ppm 8 hours. 14 TWA: 594 mg/m³ 8 hours. 14 STEL: 500 ppm 15 minutes. 14 STEL: 1187 mg/m3 15 minutes. 14

<u>Toluene</u> OSHA

PEL-TWA 200 ppm⁴³

PEL-C 300 ppm; 500 ppm (Peak) [10 min maximum in an 8 hr shift]⁴³

Skin notification N⁴³

NIOSH

REL-TWA 100 ppm (375 mg/m³)⁴³ REL-STEL 150 ppm (560 mg/m³)⁴³

Skin notification N⁴³

ACGIH

TLV-TWA 20 ppm [2006]⁴³ Skin notification N⁴³

CAL/OSHA

PEL-TWA 10 ppm (37 mg/m³)⁴³ PEL-STEL 150 ppm (560 mg/m³)⁴³

PEL-C 500 ppm⁴³ Skin notification Y43

Safe Work Australia (Australia, 4/2024)

TWA: 20 ppm 8 hours. 46 TWA: 75 mg/m³ 8 hours. 46

Provide adequate ventilation. Install local exhaust. Appropriate engineering controls

Personal protective equipment

Respiratory protection Organic vapor respirator Hand protection Rubber gloves. Neoprene.

Eye protection Safety goggle.

Skin and body protection Wear suitable clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Liquid Colour Transparent Odour Organic solvent рН Not available Melting point/freezing point Not Available

Boiling point or initial boiling point and

boiling range Flash point

56.0 °C (132.9 °F) (Acetone)

-20.0 °C (-4.0 °F) (Acetone)

Flammability Flammable Lower and upper explosion Not available

limit/flammability limit

Vapour pressure

240 hPa at 20 °C (Acetone)

Not applicable

 $0.8 - 0.9 \text{ g/cm}^3$ Density and/or relative density Relative vapour density Not available

Solubility Soluble in Organic solvent

Partition coefficient n-octanol/water (log

value)

Auto-ignition temperature 165 N °C (269 N °F) (Acatona)



rato igilition temperature 700.0 C (000.0 I) (/ (CC(0)1C)

Decomposition temperature Not applicable Not available Viscosity Particle characteristics Not applicable

10. STABILITY AND REACTIVITY

Reactivity Reacts violently with strong acids and strong oxidants Chemical stability Stable under normal storage and handling conditions

Possibility of hazardous reaction Will not occur

Condition to avoid High temperatures, sparks, open flame, and all other sources of ignition

Incompatible materials Strong oxidizing agents, strong acids

Hazardous decomposition products Not available

11. TOXICOLOGICAL INFORMATION

Acute toxicity (oral) ATEmix = 4401.94 mg/kg (Category 5)

1-ACETOXY-2-ETHOXYETHANE LD50 (rat) oral = 2900.00 mg/kg¹

Acetone LD50 (rat) oral = $5800.00 \text{ mg/kg}^{50}$ Toluene LD50 (rat) oral = $5000.00 \text{ mg/kg}^{21}$

Acute toxicity (dermal) ATEmix = 11426.72 mg/kg (Not classified)

1-ACETOXY-2-ETHOXYETHANE LD50 (rabbit) dermal = 10300.00 mg/kg¹

Acetone LD50 (rabbit) dermal = 7426.00 mg/kg⁵⁰ Toluene LD50 (rabbit) dermal = 14100.00 mg/kg²¹

Acute toxicity (inhalation) Not available

Skin corrosion and skin irritation Causes skin irritation (Toluene)

Serious eye damage or eye irritation Causes serious eye irritation (Acetone)

Respirator and skin sensitzation Not classified Skin sentization Not classified Not classified Germ cell mutagenicity Not classified Carcinogenicity

Reproductive toxicity Suspected of damaging fertility or the unborn child (Toluene)

Specific target organ toxicity following single

exposure

May cause respiratory irritation (Acetone, Toluene)

May cause damage to organs through prolonged or repeated exposure (Toluene)

repeated exposure

Aspiration hazard May be fatal if swallowed and enters airways (Toluene)

12. ECOLOGICAL INFORMATION

Specific target organ toxicity following

Acute aquatic hazard Toxic to aquatic life

> 1-ACETOXY-2-ETHOXYETHANE LC50 (fish) 96 hr = 40 mg/L

<u>Acetone</u>

LC50 (fish) 96 hr = 4740 mg/L⁵⁰

LC50 (fish) 96 hr = 7.3 mg/L^{29} EC48 (shrimp) 48 hr = 6 mg/L^{29} ErC-EC72 (Fungi) 96 hr = 12.5 mg/L²⁹

Long term aquatic hazard No information

Persistance and degradability Rapidly degradable (Acetone, Toluene)

Bioaccumulative potential Bioaccumulative potential

1-ACETOXY-2-ETHOXYETHANE log KOW = 0.24⁸

 $BCF = 3^8$

<u>Acetone</u>

 $\log KOW = -0.24^{51}$

 $BCF = 0.69^{51}$



<u>Toluene</u>

 $\log KOW = 2.73^{37}$

 $BCF = 13^{37}$

Mobility in soil

The product is insoluable in water. If released to water, some of the components will have tendency

to

evaporate while other components are expected to be highly mobile in soil and have the potential to

reach underground water supplies.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal methods Disposing of this material/container should be done under all the regulations or handled by

authorized

waste collector in your country Do not re-use empty containers

Container disposal Do not re

14. TRANSPORT INFORMATION

Labels required



UN number 1263
UN proper shipping name Paint
Transport hazard class(es) 3
Packing group III

Environmental hazards Not applicable
Special precautions Not applicable
Transport in bulk Not applicable

15. REGULATORY INFORMATION

Inventory of existing chemical substance

produced or imported in USA (TSCA)

All component in this product are listed

Toxic substance control act (TSCA)

All component in this product are listed

16. OTHER INFORMATION

Issue date: 12 June 2025

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