
SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: T514 - Thinners
- Product Part Number: T514

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Thinners

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: HD Sharman LTD
- Address of Supplier: High Peak Works, Chapel-en-le-Frith SK23 0HW
- Telephone: 01298 812371
- Email: info@hdsharman.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1204 573 736
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Flam. Liq. 2, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 1

2.2 Label elements



GHS02



GHS09



GHS07

- Signal Word: Danger
- Hazard statements
 - H225 - Highly flammable liquid and vapour.
 - H315 - Causes skin irritation.
 - H319 - Causes serious eye irritation.
 - H410 - Very toxic to aquatic life with long lasting effects.
 - EUH044 - Risk of explosion if heated under confinement.
- Precautionary statements
 - P403+P235 - Store in a well-ventilated place. Keep cool.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 - P273 - Avoid release to the environment.
 - P233 - Keep container tightly closed.
 - P337+P313 - If eye irritation persists: Get medical advice/attention.
 - P391 - Collect spillage.
 - P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

SECTION 2: Hazards identification (....)

Rinse skin with water [or shower].

P243 - Take action to prevent static discharges.

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

P240 - Ground and bond container and receiving equipment.

P241 - Use explosion-proof [electrical/ventilating/lighting/

P242 - Use non-sparking tools.

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

- Symbols

2.3 Other hazards

- Contains: reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

- CYCLOHEXANE

CAS Number: 110-82-7

EC Number: 203-806-2

Concentration: 70-90%

Categories: Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1

- butanone; ethyl methyl ketone

CAS Number: 78-93-3

EC Number: 201-159-0

Concentration: 10-30%

Categories: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3

Symbols: GHS02;GHS07

H Statements: H225;H336;H319;EUH066

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with eyes

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

If eye irritation persists: Get medical advice/attention.

- Contact with skin

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

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

If skin irritation occurs: Get medical advice/attention.

- Ingestion

Get medical advice/attention if you feel unwell.

- Inhalation

Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.

SECTION 4: First aid measures (....)

4.2 Most important symptoms and effects, both acute and delayed

- Causes serious eye irritation
- Headache, Dizziness, Drowsiness, Nausea, numbness, muscle twitching, Weakness, Can cause redness, tearing, pain and weakness of vision.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
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SECTION 5: Firefighting measures

5.1 Extinguishing media

- Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

- Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Flash back possible over considerable distance.
- In combustion emits toxic fumes.

5.3 Advice for firefighters

- In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment. Cool closed containers exposed to fire with water spray. Heating will cause a pressure rise - with risk of bursting. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
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SECTION 6: Accidental release measures

Vapours may ignite

6.1 Personal precautions, protective equipment and emergency procedures

- Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained.
- Ensure adequate ventilation
- Use personal protective equipment as required.

6.2 Environmental precautions

- Do not flush spilt material into any public water system
- Avoid release to the environment.

6.3 Methods and material 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 (see section 13).
- Collect spillage.

6.4 Reference to other sections

- See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep cool.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- CYCLOHEXANE
 - DNEL (Consumer; dermal, long term local effects): 1186 mg/kg bw/day
 - DNEL (Consumer; inhalational, long term local effects): 700 mg/m³
 - DNEL (Consumer; inhalational, short term local effects): 412 mg/m³
 - DNEL (oral): 59.4 mg/kg bw/day
- butanone; ethyl methyl ketone
 - DNEL (Consumer; dermal, long term systemic effects): 412 mg/kg bw/day
 - DNEL (Consumer; inhalational, long term systemic effects): 106 mg/m³
 - DNEL (Industry; dermal, long term systemic effects): 1161 mg/kg bw/day
 - DNEL (Industry; inhalational, long term systemic effects): 600 mg/m³
 - WEL (long term): 600 mg/m³, 200 ppm
 - WEL (short term): 899 mg/m³, 300 ppm

8.2 Exposure controls

- Wear protective gloves/protective clothing/eye protection/face protection.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Clear liquid
- Odour: Solvent odour
- Boiling Point/Range: 80°C
- Flashpoint: -17°C
- Extremely Flammable
- Viscosity: not applicable

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

- Considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions
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SECTION 10: Stability and reactivity (....)

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Incompatible materials

- Strong oxidizing agents. Strong acids.

10.5 Hazardous decomposition products

- Carbon oxides may be formed
 - Decomposition products may include toxic fumes
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

- butanone; ethyl methyl ketone
LD₅₀ (dermal) : >5000 mg/kg (rabbit)
LD₅₀ (oral) : 2193 mg/kg (rat)
 - CYCLOHEXANE
LCLo (inhalation, rat): 32880 mg/l (rat)
LD₅₀ (dermal) : >2000 mg/kg (rabbit)
LD₅₀ (oral) : >5000 mg/kg (rat)
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SECTION 12: Ecological information

12.1 Toxicity

- CYCLOHEXANE
IC₅₀ (algae): 3.4 mg/l (72 hr)
EC₅₀ (daphnia): 0.9 mg/l (48 hr)
LC₅₀ (fish): 4.53 mg/l (96 hr)
- butanone; ethyl methyl ketone
IC₅₀ (algae): 1972 mg/l (72 hr)
EC₅₀ (daphnia): 308 mg/l (48 hr)
LC₅₀ (fish): 2993 mg/l (96 hr)

12.2 Persistence and degradability

- Readily biodegradable

12.3 Bioaccumulative potential

- No bioaccumulation potential.

12.4 Mobility in soil

- immiscible with water

12.5 Results of PBT and vPvB assessment

- This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

- Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration
 - Do not flush spilt material into any public water system
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
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SECTION 14: Transport information

Flammable Liquid



ENVIRONMENTALLY HAZARDOUS

14.1 UN number or ID number

- UN No.: 1263

14.2 UN proper shipping name

- Proper Shipping Name: PAINT RELATED MATERIALS

14.3 Transport hazard class(es)

- Hazard Class: 3

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- Presents no hazard to the environment
- Marine Pollutant

14.6 Special precautions for user

- No special precautions are required for this product

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not applicable
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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2 Chemical safety assessment

- A REACH chemical safety assessment has been carried out
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- EUH066: Repeated exposure may cause skin dryness or cracking. H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.

Legal Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

--- end of safety datasheet ---
