



SAFETY DATA SHEET ARBO PRIMER 7750

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

1.1. Product identifier

Product name ARBO PRIMER 7750

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

Identified uses Primer for use on non porous substrates prior to the application of specified Arbokol products.

1.3. Details of the supplier of the safety data sheet

Supplier Adshead Ratcliffe & Co. Ltd.
Derby Road, Belper
Derbyshire.
DE56 1WJ
Tel. (+44) 01773 826661
Fax. (+44) 01773 821215
sds@arbo.co.uk

1.4. Emergency telephone number

Emergency telephone (+44) 01773 826661 (office hours only)

SECTION 2: Hazards identification

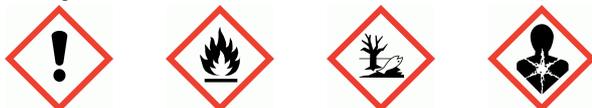
2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225
Health hazards Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304
Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H410 Very toxic to aquatic life with long lasting effects.

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Precautionary statements	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P280 Wear protective gloves.</p> <p>P261 Avoid breathing vapours.</p> <p>P273 Avoid release to the environment.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P313 Get medical advice/ attention.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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Contains CYCLOHEXANE, TETRA-ISO-PROPYLTITANATE

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

CYCLOHEXANE	60-100%
CAS number: 110-82-7	EC number: 203-806-2
M factor (Acute) = 1	M factor (Chronic) = 1

Classification

Flam. Liq. 2 - H225
 Skin Irrit. 2 - H315
 STOT SE 3 - H336
 Asp. Tox. 1 - H304
 Aquatic Acute 1 - H400
 Aquatic Chronic 1 - H410

TETRA-ISO-PROPYLTITANATE

1-5%

CAS number: 546-68-9

Classification

Flam. Liq. 3 - H226
 Eye Irrit. 2 - H319
 STOT SE 3 - H336

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. DO NOT induce vomiting. Get medical attention immediately. Danger of aspiration.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

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Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion May cause stomach pain or vomiting. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact Skin irritation.

Eye contact May cause irritation. Prolonged contact may cause redness and/or tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Specific treatments No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Foam, carbon dioxide or dry powder. Water spray, fog or mist.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Closed containers can burst violently when heated, due to excess pressure build-up. The product is highly flammable. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

Hazardous combustion products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Hydrocarbons.

5.3. Advice for firefighters

Protective actions during firefighting Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear appropriate protective clothing. Avoid inhalation of vapours and contact with skin and eyes. Eliminate all sources of ignition. Ventilate area to dispel any residual vapours.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb small quantities with paper towels and evaporate in a safe place. Large Spillages: Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

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Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

Advice on general occupational hygiene Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

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

Storage class Flammable liquid storage.

7.3. Specific end use(s)

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

Usage description Paintable primer.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

CYCLOHEXANE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 350 mg/m³

Short-term exposure limit (15-minute): WEL 300 ppm 1050 mg/m³

WEL = Workplace Exposure Limit

CYCLOHEXANE (CAS: 110-82-7)

DNEL	<p>Workers - Inhalation; Long term systemic effects: 700 mg/m³</p> <p>Workers - Inhalation; Short term systemic effects: 700 mg/m³</p> <p>Workers - Inhalation; Long term local effects: 700 mg/m³</p> <p>Workers - Inhalation; Short term systemic effects: 700 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 2016 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 206 mg/m³</p> <p>General population - Inhalation; Short term systemic effects: 412 mg/m³</p> <p>General population - Inhalation; Long term local effects: 206 mg/m³</p> <p>General population - Inhalation; Short term local effects: 412 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 1186 mg/kg/day</p> <p>General population - Oral; Long term systemic effects: 59.4 mg/kg/day</p>
PNEC	<p>- Fresh water; 0.207 mg/l</p> <p>- Marine water; 0.207 mg/l</p> <p>- Intermittent release; 0.207 mg/l</p> <p>- STP; 3.24 mg/l</p> <p>- Sediment (Freshwater); 3.627 mg/kg</p> <p>- Sediment (Marinewater); 3.627 mg/kg</p> <p>- Soil; 2.99 mg/l</p>

8.2. Exposure controls

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Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear approved safety goggles.

Hand protection

Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material.

Other skin and body protection

Provide eyewash station.

Hygiene measures

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter.

Environmental exposure controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Solvent.
Odour threshold	Cyclohexane: 83.8 ppm
pH	Not applicable.
Melting point	Cyclohexane: 6.5°C
Initial boiling point and range	Cyclohexane: 80.74°C @
Flash point	< 20°C PMCC (Pensky-Martens closed cup).
Evaporation rate	Cyclohexane: 5.6 (butyl acetate = 1)
Upper/lower flammability or explosive limits	Upper flammable/explosive limit: Cyclohexane: 8.40 Lower flammable/explosive limit: Cyclohexane: 1.30
Vapour pressure	Cyclohexane: 14000 Pa @ 20°C
Vapour density	Cyclohexane: 2.9
Relative density	Cyclohexane: 0.779 @ 25°C
Solubility(ies)	Cyclohexane: <0.1 g/100 g water @ 25°C Soluble in the following materials: Organic solvents.
Auto-ignition temperature	Cyclohexane: 245-260°C
Decomposition Temperature	Not determined.
Viscosity	Cyclohexane: 0.98 mm ² /s @ 20°C

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Explosive properties Heating may generate vapours which may form explosive mixtures with air.

Oxidising properties Does not meet the criteria for oxidising.

9.2. Other information

Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) Cyclohexane:5000

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) Cyclohexane:2000

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) Cyclohexane:13.9

Species Rat

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Skin sensitisation

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

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

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Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Based on constituents classified as a specific target organ toxicant after single exposure. May cause drowsiness and dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard The product is classified as having an aspiration hazard.

Inhalation

Vapours may cause drowsiness and dizziness. Vapours may irritate throat and respiratory system and cause coughing.

Ingestion

Harmful: may cause lung damage if swallowed.

Skin contact

Irritating to skin. Prolonged and frequent contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation. Vapour or spray in the eyes may cause irritation and smarting.

Route of entry

Inhalation Ingestion. Skin and/or eye contact

Target organs

Central nervous system

SECTION 12: Ecological Information

Ecotoxicity

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

12.1. Toxicity

Toxicity

There are no data for the product.

Ecological information on ingredients.

CYCLOHEXANE

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 4.53 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.9 mg/l, Daphnia magna

Acute toxicity - aquatic plants LC₅₀, 72 hours: >4 mg/l, Selenastrum capricornutum

Chronic aquatic toxicity

M factor (Chronic) 1

12.2. Persistence and degradability

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Persistence and degradability The product is expected to be slowly biodegradable.

Ecological information on ingredients.

CYCLOHEXANE

Biodegradation - Degradation 6%: 28 days

Biological oxygen demand 220 mg/g

12.3. Bioaccumulative potential

Ecological information on ingredients.

CYCLOHEXANE

Bioaccumulative potential BCF: 167, Algae

Partition coefficient log Pow: 3.44

12.4. Mobility in soil

Ecological information on ingredients.

CYCLOHEXANE

Henry's law constant 19400 Pa m³/mol @ 25°C

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Absorb in vermiculite, dry sand or earth and place into containers. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility. Dispose of waste via a licensed waste disposal contractor. Confirm disposal procedures with environmental engineer and local regulations.

Waste class HP3 Flammable HP4 Irritant HP5 STOT / Aspiration toxicity HP14 Ecotoxic Recommended EWC Code 14 06 03*

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

UN No. (ADN) 1993

14.2. UN proper shipping name

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Proper shipping name (ADR/RID) FLAMMABLE LIQUID, N.O.S. (Cyclohexane)

Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (Cyclohexane)

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (Cyclohexane)

Proper shipping name (ADN) FLAMMABLE LIQUID, N.O.S. (Cyclohexane)

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ADN packing group II

ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 2

Emergency Action Code •3YE

Hazard Identification Number (ADR/RID) 33

Tunnel restriction code (D/E)

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

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) 1907/2006 REACH (as amended).
Regulation (EC) 1272/2008 CLP (as amended).

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Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	General review
Revision date	25/04/2017
Revision	1
Supersedes date	01/06/2015
SDS number	10084
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

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.