# SAFETY DATA SHEET
# Holts Plastic Primer

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

### 1.1. Product identifier

**Product name** Holts Plastic Primer

**Product number** L118C

**REACH registration notes** This is a MIXTURE; no registration information contained in this document . Holts are classed as Downstream User.

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

**Identified uses** Car maintenance product. Paint.

### 1.3. Details of the supplier of the safety data sheet

**Supplier**
Holt Lloyd Services
52 Rue des 40 Mines, 60000 – Allonne, France
Phone: +33 (0)3 64 99 00 32
info@holtsauto.com

**Contact person** Contact Email address: info@holtsauto.com

**Manufacturer**
Holt Lloyd International Ltd
Barton Dock Road
Stretford
Manchester
M32 0YQ - England, UK
+44 (0) 161 866 4800
FAX +44 (0) 161 866 4854
www.holtsauto.com

### 1.4. Emergency telephone number

**Emergency telephone** UK - 00 44 (0) 161 866 4800 Office hrs = 0900 - 1700 hrs

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**National emergency telephone number**

+43 1 31304 5620; chemikalien@umweltbundesamt.at (Austria)
+32022649636; info@poisoncentre.be (Belgium)
+359 2 9154 409; poison_centre@mail.orbitel.bg (Bulgaria)
+38514686910; toksikologija@hzjz.hr (Croatia)
+35722405611; cy-chemregistry@dli.mlsi.gov.cy (Cyprus)
+420267082257; biocidy@mzcr.cz (Czech Republic)
+45 72 54 40 00; mst@mst.dk (Denmark)
+372 794 3500; clp@terviseamet.ee, info@terviseamet.ee (Estonia)
+358 5052 000; kirjaamo@tukes.fi (Finland)
+ 33 3 83 85 21 92; bnpc@chru-nancy.fr (France)
+49-30-18412-0; bfr@bfr.bund.de (Germany)
+302106479250; +302106479450; devxp.gcsl@aade.gr, environment.gcsl@aade.gr (Greece)
+36 (1) 476 1135; clp.ca@nnk.gov.hu (Hungary)
+354 543 22 22; eitur@landspitali.is (Iceland)
+353 (1) 809 2166 / +353 (1) 809 2566; chemicalsinfo@beaumont.ie (Ireland)
+390649906140; inscweb@iss.it (Italy)
+371 67032600; lvgmc@lvgmc.lv (Latvia)
+370 70662008; aaa@aaa.am.lt (Lithuania)
+320 22649636; +352 24785551; info@poisoncentre.be; direction-sante@ms.etat.lu (Luxembourg)
+356 2395 2000; info@mccaa.org.mt (Malta)
+31 88 75 585 61; productnotificatie@umcutrecht.nl (The Netherlands)
+4573580500; produktregisteret@miljodir.no / +47 21 07 70 00; folkehelseinstituttet@fhi.no (Norway)
+48 42 2538 400; biuro@chemikalia.gov.pl (Poland)
+351213303271; ciav.tox@inem.pt (Portugal)
+40213183606; infotox@insp.gov.ro (Romania)
+7 495 621 6885; +7 495 628 1687; rtiac@mail.ru; rtiac2003@yahoo.com (Russia)
+421 2 5465 2307; ntic@ntic.sk (Slovakia)
+ 386 1 522 1293; gp.ukc@kclj.si (Slovenia)
+34 917689800; intcf.doc@justicia.es (Spain)
+46104566750; giftinformation@gic.se (Sweden)
+44 121 507 4123; allistervale@npis.org, sallybradberry@npis.org (UK)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification (EC 1272/2008)**

**Physical hazards** Aerosol 1 - H222, H229

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H336

**Environmental hazards** Aquatic Chronic 2 - H411

### 2.2. Label elements

**Hazard pictograms**

**Signal word** Danger

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| | |
|---|---|
| **Hazard statements** | H222 Extremely flammable aerosol.<br>H229 Pressurised container: may burst if heated.<br>H315 Causes skin irritation.<br>H319 Causes serious eye irritation.<br>H336 May cause drowsiness or dizziness.<br>H411 Toxic to aquatic life with long lasting effects. |
| **Precautionary statements** | P101 If medical advice is needed, have product container or label at hand.<br>P102 Keep out of reach of children.<br>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P211 Do not spray on an open flame or other ignition source.<br>P251 Do not pierce or burn, even after use.<br>P261 Avoid breathing spray.<br>P273 Avoid release to the environment.<br>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.<br>P302+P352 IF ON SKIN: Wash with plenty of water.<br>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.<br>P501 Dispose of contents/ container in accordance with national regulations. |
| **Contains** | Naphtha (petroleum),hydrotreated light |
| **Supplementary precautionary statements** | P264 Wash contaminated skin thoroughly after handling.<br>P271 Use only outdoors or in a well-ventilated area. |

### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Naphtha (petroleum),hydrotreated light** **30-60%**

CAS number: 64742-49-0 | EC number: 265-151-9 | REACH registration number: 01-2119475133-43-XXXX

**Classification**
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
STOT SE 3 - H336
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

**BUTANE** **10-30%**

CAS number: 106-97-8 | EC number: 203-448-7 | REACH registration number: 01-2119474691-32-XXXX

**Classification**
Flam. Gas 1A - H220
Press. Gas

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**PROPANE** **10-30%**

CAS number: 74-98-6 EC number: 200-827-9 REACH registration number: 01-2119486944-21-XXXX

**Classification**
Flam. Gas 1A - H220

**ISOBUTANE** **10-30%**

CAS number: 75-28-5 EC number: 200-857-2 REACH registration number: 01-2119485395-27-XXXX

**Classification**
Flam. Gas 1A - H220
Press. Gas

**XYLENE** **5-10%**

CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-2119488216-32-XXXX

**Classification**
Flam. Liq. 3 - H226
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315

**Naphtha (petroleum), Light Aromatic** **1-5%**

CAS number: 64742-95-6 EC number: 918-668-5 REACH registration number: 01-2119455851-35-XXXX

**Classification**
Asp. Tox. 1 - H304

**ALUMINIUM POWDER (PYROPHORIC)** **1-5%**

CAS number: 7429-90-5 EC number: 231-072-3 REACH registration number: 01-2119529243-45-XXXX

**Classification**
Pyr. Sol. 1 - H250
Water-react. 2 - H261

**Polybutyl titanate** **1-5%**

CAS number: 162303-51-7 EC number: 500-687-1 REACH registration number: 01-2119968574-23-XXXX

**Classification**
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Eye Dam. 1 - H318

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| | | |
|---|---|---|
| **ETHYLBENZENE** | | **1-5%** |
| CAS number: 100-41-4 | EC number: 202-849-4 | REACH registration number: 01-2119489370-35-XXXX |

**Classification**
Flam. Liq. 2 - H225
Acute Tox. 4 - H332

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.

**Ingestion** Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting.

**Skin contact** Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye contact** Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

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

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

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Causes skin irritation. Prolonged or repeated exposure may cause severe irritation.

**Eye contact** Causes serious eye irritation. Prolonged or repeated exposure may cause severe irritation.

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

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up.

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

### 5.3. Advice for firefighters

**Protective actions during firefighting** Move containers from fire area if it can be done without risk.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

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**Personal precautions** Avoid inhalation of vapours and contact with skin and eyes. If ventilation is inadequate, suitable respiratory protection must be worn.

### 6.2. Environmental precautions

**Environmental precautions** Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Good personal hygiene procedures should be implemented. Keep away from heat, sparks and open flame. Avoid spilling. Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Use approved respirator if air contamination is above an acceptable level.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage class** Flammable compressed gas storage. Aerosol containers and lighters

### 7.3. Specific end use(s)

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

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

**BUTANE**

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m³
Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m³

**ISOBUTANE**

Long-term exposure limit (8-hour TWA): OES 800 ppm
Short-term exposure limit (15-minute): OES 800 ppm

**XYLENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³
Sk

**ALUMINIUM POWDER (PYROPHORIC)**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

**ETHYLBENZENE**

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 441 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 125 ppm(Sk) 552 mg/m3(Sk)
WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

**Naphtha (petroleum),hydrotreated light (CAS: 64742-49-0)**

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**DNEL**

Workers - Inhalation, Neurotoxicity; Short term Acute: 1286.4 mg/m³
Workers - irritation (respiratory tract); Long term local effects: 837.5 mg/m³
Workers - irritation (respiratory tract); Short term Acute: 1066.67 mg/m³
Workers - Hazard for the eyes
no hazard identified
General population - Inhalation, Neurotoxicity; Short term Acute: 1152 mg/m³
General population - irritation (respiratory tract); Long term local effects: 178.57 mg/m³
General population - irritation (respiratory tract); Short term Acute: 640 mg/m³
General Population - Hazard for the eyes
no hazard identified

## XYLENE (CAS: 1330-20-7)

**DNEL**

Consumer - Dermal; Long term systemic effects: 108 mg/kg/day
Workers - Dermal; Long term systemic effects: 180 mg/kg/day
Consumer - Inhalation; Short term local effects: 174 mg/m³
Consumer - Inhalation; Short term systemic effects: 174 mg/m³
Workers - Inhalation; Short term systemic effects: 289 mg/m³
Workers - Inhalation; Short term local effects: 289 mg/m³
Consumer - Inhalation; Long term systemic effects: 14.8 mg/m³
Workers - Inhalation; Long term systemic effects: 77 mg/m³

## Naphtha (petroleum), Light Aromatic (CAS: 64742-95-6)

**DNEL**

Industry - Dermal; : 25 mg/kg bw/day
Industry - Inhalation; : 150 mg/m³
Consumer - Dermal; : 11 mg/kg bw/day
Consumer - Inhalation; : 32 mg/m³
Consumer - Oral; : 11 mg/kg bw/day

## ALUMINIUM POWDER (PYROPHORIC) (CAS: 7429-90-5)

**DNEL**

Workers - Inhalation; Long term systemic effects: 3.72 mg/m³
Workers - Inhalation; Long term local effects: 3.72 mg/m³
General population - Oral; Long term systemic effects: 7.9 mg/kg/day

## Polybutyl titanate (CAS: 162303-51-7)

**DNEL**

Workers - Inhalation; Long term systemic effects: 127 mg/m³
Workers - Hazard for the eyes
medium hazard (no threshold derived)
General population - Inhalation; Long term systemic effects: 5.43 mg/m³
General population - Dermal; Long term systemic effects: 0.625 mg/kg/day
General population - Oral; Long term systemic effects: 0.625 mg/kg/day
General Population - Hazard for the eyes
medium hazard (no threshold derived)

**PNEC**

Fresh water; 0.08 mg/l
Intermittent release, Fresh water; 2.25 mg/l
marine water; 0.008 mg/l
STP; 66 mg/l
Sediment (Freshwater); 0.069 mg/kg sediment dry weight
Sediment (Marinewater); 0.007 mg/kg sediment dry weight
Soil; 0.017 mg/kg soil dry weight

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## ETHYLBENZENE (CAS: 100-41-4)

| | |
|---|---|
| **DNEL** | Workers - Inhalation; Long term systemic effects: 77 mg/m³<br>Workers - irritation (respiratory tract); Short term Acute: 293 mg/m³<br>Workers - Dermal; Long term systemic effects: 180 mg/kg/day<br>Workers - Hazard for the eyes<br>low hazard (no threshold derived)<br>General population - Inhalation; Long term systemic effects: 15 mg/m³<br>General population - Oral; Long term systemic effects: 1.6 mg/kg/day<br>General Population - Hazard for the eyes<br>low hazard (no threshold derived) |
| **PNEC** | Fresh water; 0.1 mg/l<br>Intermittent release, Fresh water; 0.1 mg/l<br>marine water; 0.01 mg/l<br>STP; 9.6 mg/l<br>Sediment (Freshwater); 13.7 mg/kg sediment dry weight<br>Sediment (Marinewater); 1.37 mg/kg sediment dry weight<br>Soil; 2.68 mg/kg soil dry weight<br>Secondary Poisoning (Hazard for Predators) - Oral; 200 mg/kg food |

### 8.2. Exposure controls

**Protective equipment**

| | |
|---|---|
| **Eye/face protection** | 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: Butyl rubber. To protect hands from chemicals, gloves should comply with European Standard EN374. |
| **Other skin and body protection** | Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. |
| **Hygiene measures** | Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product. Do not smoke in work area. |
| **Respiratory protection** | No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs. |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance** | Aerosol. |
| **Odour** | Organic solvents. |
| **Flash point** | Not applicable. |
| **Upper/lower flammability or explosive limits** | Lower flammable/explosive limit: 1.1% Upper flammable/explosive limit: 10.9% |
| **Relative density** | ~0.707 @ °C |

# Holts Plastic Primer

| | |
|---|---|
| **Auto-ignition temperature** | 200C°C |

### 9.2. Other information

| | |
|---|---|
| **Volatility** | 99.1% |
| **Volatile organic compound** | This product contains a maximum VOC content of 700.4 g/litre. EU: (cat B/c): 780 g/l . |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

| | |
|---|---|
| **Reactivity** | No test data specifically related to reactivity available for this product or its ingredients. |

### 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** | No potentially hazardous reactions known. |

### 10.4. Conditions to avoid

| | |
|---|---|
| **Conditions to avoid** | Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis. |

### 10.5. Incompatible materials

| | |
|---|---|
| **Materials to avoid** | No specific requirements are anticipated under normal conditions of use. |

### 10.6. Hazardous decomposition products

| | |
|---|---|
| **Hazardous decomposition products** | Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Carbon dioxide (CO2). Carbon monoxide (CO). |

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

| | |
|---|---|
| **Notes (oral $LD_{50}$)** | Based on available data the classification criteria are not met. |

#### Acute toxicity - dermal

| | |
|---|---|
| **Notes (dermal $LD_{50}$)** | Based on available data the classification criteria are not met. |
| **ATE dermal (mg/kg)** | 25,000.0 |

#### Acute toxicity - inhalation

| | |
|---|---|
| **Notes (inhalation $LC_{50}$)** | Based on available data the classification criteria are not met. |
| **ATE inhalation (gases ppm)** | 346,153.85 |
| **ATE inhalation (vapours mg/l)** | 118.28 |
| **ATE inhalation (dusts/mists mg/l)** | 115.38 |

#### Skin corrosion/irritation

| | |
|---|---|
| **Skin corrosion/irritation** | Causes skin irritation. |

#### Serious eye damage/irritation

| | |
|---|---|
| **Serious eye damage/irritation** | Causes serious eye irritation. |

#### Respiratory sensitisation

| | |
|---|---|
| **Respiratory sensitisation** | No information available. |

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**Skin sensitisation**

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

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

**Genotoxicity - in vivo** Based on available data the classification criteria are not met.

**Carcinogenicity**

**Carcinogenicity** Based on available data the classification criteria are not met.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

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

**Specific target organ toxicity - single exposure**

**STOT - single exposure** May cause drowsiness or dizziness.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** Based on available data the classification criteria are not met.

**Aspiration hazard**

**Aspiration hazard** Not relevant.

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

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Causes skin irritation. Prolonged or repeated exposure may cause severe irritation.

**Eye contact** Causes serious eye irritation. Prolonged or repeated exposure may cause severe irritation.

**Route of exposure** Inhalation Skin and/or eye contact

**Toxicological information on ingredients.**

**Naphtha (petroleum),hydrotreated light**

**Acute toxicity - oral**

**Notes (oral $LD_{50}$)** $LD_{50}$ > 5000 mg/kg, Oral, Rat

**Acute toxicity - dermal**

**Notes (dermal $LD_{50}$)** $LD_{50}$ > 2000 mg/kg, Dermal, Rabbit

**Acute toxicity - inhalation**

**Notes (inhalation $LC_{50}$)** LC50 > 5610 mg/m³, Inhalation, Rat

**Skin corrosion/irritation**

**Skin corrosion/irritation** No adverse effect observed (not irritating)

**Serious eye damage/irritation**

**Serious eye damage/irritation** No adverse effect observed (not irritating)

**Respiratory sensitisation**

**Respiratory sensitisation** No information available.

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**Skin sensitisation**

| | |
|---|---|
| **Skin sensitisation** | Not sensitising. |

**Germ cell mutagenicity**

| | |
|---|---|
| **Genotoxicity - in vitro** | No adverse effects observed (negative) |
| **Genotoxicity - in vivo** | No adverse effects observed (negative) |

**Carcinogenicity**

| | |
|---|---|
| **Carcinogenicity** | NOAEC 9869 mg/m³, Inhalation, Rat No adverse effects observed. |

**Reproductive toxicity**

| | |
|---|---|
| **Reproductive toxicity - fertility** | Two-generation study - NOAEC > 24700 mg/m³, Inhalation, Rat No adverse effects observed. |
| **Reproductive toxicity - development** | Developmental toxicity: - NOAEC: 23900 mg/m³, Inhalation, Rat Developmental toxicity: - NOAEL: 500 mg/kg/day, Dermal, Rat No adverse effects observed. |

**Specific target organ toxicity - single exposure**

| | |
|---|---|
| **STOT - single exposure** | Conclusive data but not sufficient for classification. |

**Specific target organ toxicity - repeated exposure**

| | |
|---|---|
| **STOT - repeated exposure** | Conclusive data but not sufficient for classification. |

**Aspiration hazard**

| | |
|---|---|
| **Aspiration hazard** | May be fatal if swallowed and enters airways. |

**BUTANE**

**Acute toxicity - oral**

| | |
|---|---|
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 5,000.0 |
| **Species** | Rat |

**PROPANE**

**Acute toxicity - oral**

| | |
|---|---|
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 5,000.0 |
| **Species** | Rat |
| **ATE oral (mg/kg)** | 5,000.0 |

**ISOBUTANE**

**Acute toxicity - oral**

| | |
|---|---|
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 5,000.0 |
| **Species** | Rat |
| **ATE oral (mg/kg)** | 5,000.0 |

**XYLENE**

**Acute toxicity - oral**

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| | |
|---|---|
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 3,523.0 |
| **Species** | Rat |
| **ATE oral (mg/kg)** | 3,523.0 |

**Acute toxicity - dermal**

| | |
|---|---|
| **Acute toxicity dermal ($LD_{50}$ mg/kg)** | 2,000.0 |
| **Species** | Rabbit |
| **ATE dermal (mg/kg)** | 2,000.0 |

**Acute toxicity - inhalation**

| | |
|---|---|
| **Acute toxicity inhalation ($LC_{50}$ vapours mg/l)** | 29,000.0 |
| **Species** | Rat |
| **Species** | Human |
| **ATE inhalation (vapours mg/l)** | 11.0 |

**Skin corrosion/irritation**

| | |
|---|---|
| **Skin corrosion/irritation** | Causes skin irritation. |

**Serious eye damage/irritation**

| | |
|---|---|
| **Serious eye damage/irritation** | Causes serious eye irritation. |

**Carcinogenicity**

| | |
|---|---|
| **IARC carcinogenicity** | IARC Group 3 Not classifiable as to its carcinogenicity to humans. |

**Aspiration hazard**

| | |
|---|---|
| **Aspiration hazard** | May be fatal if swallowed and enters airways. |

**Naphtha (petroleum), Light Aromatic**

**Acute toxicity - oral**

| | |
|---|---|
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 3,492.0 |
| **Species** | Rat |

**Acute toxicity - dermal**

| | |
|---|---|
| **Acute toxicity dermal ($LD_{50}$ mg/kg)** | 3,160.0 |
| **Species** | Rabbit |

**Acute toxicity - inhalation**

| | |
|---|---|
| **Acute toxicity inhalation ($LC_{50}$ vapours mg/l)** | 6,193.0 |
| **Species** | Rat |

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**Skin corrosion/irritation**

**Skin corrosion/irritation** Causes mild skin irritation.

**Serious eye damage/irritation**

**Serious eye damage/irritation** Not irritating

**Respiratory sensitisation**

**Respiratory sensitisation** No information available.

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** This substance has no evidence of mutagenic properties.

**Carcinogenicity**

**Carcinogenicity** No information available.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

**STOT - single exposure** May cause drowsiness or dizziness. May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** Based on available data the classification criteria are not met.

**Aspiration hazard**

**Aspiration hazard** May be fatal if swallowed and enters airways.

**ALUMINIUM POWDER (PYROPHORIC)**

**Acute toxicity - oral**

**Notes (oral $LD_{50}$)** $LD_{50}$ > 2000 mg/kg, Oral, Rat

**Acute toxicity - dermal**

**Notes (dermal $LD_{50}$)** No specific test data are available. Scientifically unjustified. REACH dossier information.

**Acute toxicity - inhalation**

**Notes (inhalation $LC_{50}$)** LC50 > 888 mg/m³, Inhalation, Rat NOAEC 10 mg/m³, Inhalation, Rat

**Skin corrosion/irritation**

**Skin corrosion/irritation** No adverse effect observed (not irritating)

**Serious eye damage/irritation**

**Serious eye damage/irritation** No adverse effect observed (not irritating)

**Respiratory sensitisation**

**Respiratory sensitisation** No adverse effects observed (not sensitising)

**Skin sensitisation**

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| | |
|---|---|
| **Skin sensitisation** | No adverse effects observed (not sensitising) |
| **Germ cell mutagenicity** | |
| **Genotoxicity - in vitro** | No adverse effects observed (negative) |
| **Genotoxicity - in vivo** | No adverse effects observed (negative) |
| **Carcinogenicity** | |
| **Carcinogenicity** | Based on available data the classification criteria are not met. |
| **Reproductive toxicity** | |
| **Reproductive toxicity - fertility** | Based on available data the classification criteria are not met. |
| **Reproductive toxicity - development** | Embryotoxicity:, Teratogenicity: - NOAEL: > 266 mg/kg/day, Oral, Rat Read-across data. |
| **Specific target organ toxicity - single exposure** | |
| **STOT - single exposure** | Conclusive data but not sufficient for classification. |
| **Specific target organ toxicity - repeated exposure** | |
| **STOT - repeated exposure** | Conclusive data but not sufficient for classification. |
| **Aspiration hazard** | |
| **Aspiration hazard** | Not relevant. |

**Polybutyl titanate**

| | |
|---|---|
| **Acute toxicity - oral** | |
| **Notes (oral $LD_{50}$)** | $LD_{50}$ > 2000 mg/kg, Oral, Rat |
| **Acute toxicity - dermal** | |
| **Notes (dermal $LD_{50}$)** | $LD_{50}$ 5300 mg/kg, Dermal, Rat |
| **Acute toxicity - inhalation** | |
| **Notes (inhalation $LC_{50}$)** | LC50 > 20100 mg/m³, Inhalation, Rat |
| **Skin corrosion/irritation** | |
| **Skin corrosion/irritation** | Causes skin irritation. |
| **Serious eye damage/irritation** | |
| **Serious eye damage/irritation** | Causes serious eye damage. |
| **Respiratory sensitisation** | |
| **Respiratory sensitisation** | No information available. |
| **Skin sensitisation** | |
| **Skin sensitisation** | Not sensitising. |
| **Germ cell mutagenicity** | |
| **Genotoxicity - in vitro** | Negative. |
| **Genotoxicity - in vivo** | Negative. |
| **Carcinogenicity** | |

# Holts Plastic Primer

| | |
|---|---|
| **Carcinogenicity** | No information available. |

**Reproductive toxicity**

| | |
|---|---|
| **Reproductive toxicity - fertility** | One-generation study - NOAEC 18500 mg/m³, Inhalation, Rat F1 |
| **Reproductive toxicity - development** | Developmental toxicity: - NOAEC: 10800 mg/m³, Inhalation, Rat No adverse effects observed. |

**Specific target organ toxicity - single exposure**

| | |
|---|---|
| **STOT - single exposure** | May cause drowsiness or dizziness. May cause respiratory irritation |

**Specific target organ toxicity - repeated exposure**

| | |
|---|---|
| **STOT - repeated exposure** | Conclusive data but not sufficient for classification. |

**Aspiration hazard**

| | |
|---|---|
| **Aspiration hazard** | Not relevant. |

## ETHYLBENZENE

**Acute toxicity - oral**

| | |
|---|---|
| **Notes (oral $LD_{50}$)** | $LD_{50}$ 3500 mg/kg, Oral, Rat |

**Acute toxicity - dermal**

| | |
|---|---|
| **Notes (dermal $LD_{50}$)** | $LD_{50}$ 15400 mg/kg, Dermal, Rabbit |

**Acute toxicity - inhalation**

| | |
|---|---|
| **Notes (inhalation $LC_{50}$)** | Harmful if inhaled. LC50 17629 mg/m³, Inhalation, Mouse |

**Skin corrosion/irritation**

| | |
|---|---|
| **Skin corrosion/irritation** | Not irritating. |

**Serious eye damage/irritation**

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

**Respiratory sensitisation**

| | |
|---|---|
| **Respiratory sensitisation** | No information available. |

**Skin sensitisation**

| | |
|---|---|
| **Skin sensitisation** | No adverse effects observed (not sensitising) |

**Germ cell mutagenicity**

| | |
|---|---|
| **Genotoxicity - in vitro** | No adverse effects observed (negative) |
| **Genotoxicity - in vivo** | No adverse effects observed (negative) |

**Carcinogenicity**

| | |
|---|---|
| **Carcinogenicity** | NOAEC 1085.13 mg/m³, Inhalation, Rat Based on available data the classification criteria are not met. |

**Reproductive toxicity**

| | |
|---|---|
| **Reproductive toxicity - fertility** | Two-generation study - NOAEC 4342.13 mg/m³, Inhalation, Rat F1 Based on available data the classification criteria are not met. |

# Holts Plastic Primer

| | |
|---|---|
| **Reproductive toxicity - development** | Developmental toxicity: - NOAEL: 750 mg/kg/day, Oral, Rat Developmental toxicity: - NOAEC: 434.21 mg/m³, Inhalation, Mouse No evidence of reproductive toxicity in animal studies. |

**Specific target organ toxicity - single exposure**

| | |
|---|---|
| **STOT - single exposure** | Conclusive data but not sufficient for classification. |

**Specific target organ toxicity - repeated exposure**

| | |
|---|---|
| **STOT - repeated exposure** | May cause damage to organs through prolonged or repeated exposure. |
| **Target organs** | Hearing organs |

**Aspiration hazard**

| | |
|---|---|
| **Aspiration hazard** | May be fatal if swallowed and enters airways. |

## SECTION 12: Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

**Ecological information on ingredients.**

**Naphtha (petroleum), Light Aromatic**

| | |
|---|---|
| **Ecotoxicity** | Toxic to aquatic life with long lasting effects. |

**12.1. Toxicity**

**Acute aquatic toxicity**

| | |
|---|---|
| **Acute toxicity - fish** | No information available. |
| **Acute toxicity - aquatic invertebrates** | Not available. |
| **Acute toxicity - aquatic plants** | Not available. |
| **Acute toxicity - microorganisms** | Not available. |
| **Acute toxicity - terrestrial** | Not available. |

**Chronic aquatic toxicity**

| | |
|---|---|
| **Chronic toxicity - fish early life stage** | Not available. |
| **Short term toxicity - embryo and sac fry stages** | Not available. |
| **Chronic toxicity - aquatic invertebrates** | Not available. |

**Ecological information on ingredients.**

**Naphtha (petroleum),hydrotreated light**

**Acute aquatic toxicity**

| | |
|---|---|
| **Acute toxicity - fish** | $LL_{50}$, 96 hours: 10 mg/l, Oncorhynchus mykiss (Rainbow trout)<br>$LL_{50}$, 96 hours: 8.2 mg/l, Pimephales promelas (Fat-head Minnow) |
| **Acute toxicity - aquatic invertebrates** | EL50, 48 hours: 4.5 mg/l, Daphnia magna |

# Holts Plastic Primer

| | |
|---|---|
| **Acute toxicity - aquatic plants** | EL50, 72 hours: 3.1 mg/l, Pseudokirchneriella subcapitata<br>NOELR, 72 hours: 0.5 mg/l, Pseudokirchneriella subcapitata |
| **Acute toxicity - microorganisms** | $LL_{50}$, 72 hours: 15.41 mg/l, Tetrahymena pyriformis |
| **Chronic aquatic toxicity** | |
| **Chronic toxicity - aquatic invertebrates** | NOELR, 21 days: 2.6 mg/l, Daphnia magna |

## XYLENE

**Acute aquatic toxicity**

| | |
|---|---|
| **Acute toxicity - fish** | $LC_{50}$, 13.5 hours: 96 mg/l, Fish |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 7.4 hours: 48 mg/l, Daphnia magna |
| **Acute toxicity - aquatic plants** | $IC_{50}$, 72 hours: 1-10 mg/l, Algae |

## Naphtha (petroleum), Light Aromatic

**Acute aquatic toxicity**

| | |
|---|---|
| **Acute toxicity - fish** | $LC_{50}$, 96 hours: 9.2 mg/l, Oncorhynchus mykiss (Rainbow trout) |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hours: 3.2 mg/l, Daphnia magna |
| **Acute toxicity - aquatic plants** | $EC_{50}$, 72 hours: 2.9 mg/l, Algae<br>NOEC, 71 hours: 1 mg/l, Pseudokirchneriella subcapitata |
| **Chronic aquatic toxicity** | |
| **Chronic toxicity - fish early life stage** | NOEC, 28 days: 1.23 mg/l, Oncorhynchus mykiss (Rainbow trout) |
| **Chronic toxicity - aquatic invertebrates** | NOEC, 21 days: 2.14 mg/l, Daphnia magna |

## ALUMINIUM POWDER (PYROPHORIC)

**Acute aquatic toxicity**

| | |
|---|---|
| **Acute toxicity - fish** | NOEC, 96 hours: > 50 mg/l, Ictalurus punctatus / I. robustus |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hours: 0.07 - > 99.6 mg/l,<br>NOEC, 48 hours: > 0.005 - > 0.135 mg/l, |
| **Acute toxicity - aquatic plants** | ErC10, 72 hours: 0.051 - 3.15 mg/l,<br>ErC50, 72 hours: 0.024 - 4.93 mg/l,<br>NOEC, EC10, 7 days: > 45.7 mg/l, Lemna minor |
| **Acute toxicity - microorganisms** | EC10, 3 hours: > 200 mg/l, Activated sludge |
| **Chronic aquatic toxicity** | |

# Holts Plastic Primer

| | |
|---|---|
| **Chronic toxicity - fish early life stage** | NOEC, 7 - 60 days: 0.088 - 2.3 mg/l, Pimephales promelas (Fat-head Minnow), Salveninus fontinalis<br>EC10, 7 - 60 days: 0.078 - 5.19 mg/l, Pimephales promelas (Fat-head Minnow), Salveninus fontinalis |
| **Chronic toxicity - aquatic invertebrates** | NOEC, 7 - 28 days: 0.076 - 4.9 mg/l, Ceriodaphnia dubia, Daphnia magna<br>EC10, 7 - 28 days: 0.021 - 0.997 mg/l, Ceriodaphnia dubia, Daphnia magna |

**ETHYLBENZENE**

**Acute aquatic toxicity**

| | |
|---|---|
| **Acute toxicity - fish** | $LC_{50}$, 96 hours: 4.2 mg/l, Oncorhynchus mykiss (Rainbow trout)<br>$LC_{50}$, 96 hours: 5.1 mg/l, Menidia menidia (Atlantic silverside) |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hours: 1.8 mg/l, Daphnia magna<br>$LC_{50}$, 48 hours: 3.2 mg/l, Ceriodaphnia dubia<br>$LC_{50}$, 96 hours: 2.6 mg/l, Mysid shrimp, Americamysis bahia |
| **Acute toxicity - aquatic plants** | $EC_{50}$, 96 hours: 3.6 mg/l, Pseudokirchneriella subcapitata<br>EC10, NOEC, 96 hours: 3.4 mg/l, Pseudokirchneriella subcapitata<br>$EC_{50}$, 96 hours: 7.7 mg/l, Skeletonema costatum<br>EC10, NOEC, 96 hours: 4.5 mg/l, Skeletonema costatum |
| **Acute toxicity - microorganisms** | $EC_{50}$, 24 hours: 96 mg/l, Nitrosomonas sp. |
| **Acute toxicity - terrestrial** | $LC_{50}$, 48 hours: 0.047 mg/cm², Eisenia Fetida (Earthworm) |

**Chronic aquatic toxicity**

| | |
|---|---|
| **Chronic toxicity - aquatic invertebrates** | $LC_{50}$, 7 days: 3.6 mg/l, Ceriodaphnia dubia<br>NOEL, 7 days: 1.0 mg/l, Ceriodaphnia dubia |

## 12.2. Persistence and degradability

**Persistence and degradability** Expected to be readily biodegradable.

**Ecological information on ingredients.**

**XYLENE**

| | |
|---|---|
| **Biodegradation** | The substance is readily biodegradable. |

**Naphtha (petroleum), Light Aromatic**

| | |
|---|---|
| **Biodegradation** | Rapidly degradable<br>Water - Degradation 78%: 28 days |

**ALUMINIUM POWDER (PYROPHORIC)**

| | |
|---|---|
| **Persistence and degradability** | The product contains only inorganic substances which are not biodegradable. |
| **Biodegradation** | Technically not feasible. |

**ETHYLBENZENE**

| | |
|---|---|
| **Persistence and degradability** | Rapidly degradable 28 days 79% |

# Holts Plastic Primer

**Phototransformation** Air - Half-life 50%: 2.3 days

### 12.3. Bioaccumulative potential

**Ecological information on ingredients.**

**Naphtha (petroleum), Light Aromatic**

**Partition coefficient** log Pow: < 4.5

**ALUMINIUM POWDER (PYROPHORIC)**

**Bioaccumulative potential** Bioaccumulation is unlikely.

**Partition coefficient** Scientifically unjustified.

**ETHYLBENZENE**

**Bioaccumulative potential** BCF: 110, QSAR

**Partition coefficient** Log Kow (Log Pow): 3.6 @ 20 deg C

### 12.4. Mobility in soil

### 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.

**Ecological information on ingredients.**

**Naphtha (petroleum),hydrotreated light**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

**Naphtha (petroleum), Light Aromatic**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

**ALUMINIUM POWDER (PYROPHORIC)**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

**ETHYLBENZENE**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers must not be punctured or incinerated because of the risk of an explosion.

# Holts Plastic Primer

## SECTION 14: Transport information

**General** Refer to the Dangerous Goods List for information on any Special Provisions 190, 327, 344, 625.

### 14.1. UN number

**UN No. (ADR/RID)** 1950

**UN No. (IMDG)** 1950

**UN No. (ICAO)** 1950

**UN No. (ADN)** 1950

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** AEROSOLS

**Proper shipping name (IMDG)** AEROSOLS (CONTAINS Naphtha (petroleum),hydrotreated light)

**Proper shipping name (ICAO)** AEROSOLS

**Proper shipping name (ADN)** AEROSOLS

### 14.3. Transport hazard class(es)

**ADR/RID class** 2.1

**ADR/RID classification code** 5F

**ADR/RID label** 2.1

**IMDG class** 2.1

**ICAO class/division** 2.1

**ADN class** 2.1

**Transport labels**


### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

### 14.6. Special precautions for user

**EmS** F-D, S-U

**ADR transport category** 2

**Tunnel restriction code** (D)

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

# Holts Plastic Primer

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

## SECTION 15: Regulatory information

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

**National regulations** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU legislation** Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate.
BOD: Biochemical Oxygen Demand.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
$EC_{50}$: 50% of maximal Effective Concentration.
GHS: Globally Harmonized System.
IARC: International Agency for Research on Cancer.
IATA: International Air Transport Association.
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
$LC_{50}$: Lethal Concentration to 50 % of a test population.
$LD_{50}$: Lethal Dose to 50% of a test population (Median Lethal Dose).
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
LOEC: Lowest Observed Effect Concentration.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
SVHC: Substances of Very High Concern.
UVCB - Unknown or variable composition, complex reaction products or Biological materials.
vPvB: Very Persistent and Very Bioaccumulative.

**Revision date** 20/07/2021

# Holts Plastic Primer

| | |
|---|---|
| **Revision** | 13 |
| **Supersedes date** | 28/02/2017 |
| **SDS number** | 14239 |
| **Hazard statements in full** | H220 Extremely flammable gas.<br>H222 Extremely flammable aerosol.<br>H225 Highly flammable liquid and vapour.<br>H226 Flammable liquid and vapour.<br>H229 Pressurised container: may burst if heated.<br>H250 Catches fire spontaneously if exposed to air.<br>H261 In contact with water releases flammable gases.<br>H304 May be fatal if swallowed and enters airways.<br>H312 Harmful in contact with skin.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H319 Causes serious eye irritation.<br>H332 Harmful if inhaled.<br>H336 May cause drowsiness or dizziness.<br>H411 Toxic to aquatic life with long lasting effects. |