

# Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II – United Kingdom

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Identification of the substance/preparation

Product name or Trade name :

Ezi Gun & Go! Primer

Use of the substance/preparation : Chemical product for construction and industry

### Company/undertaking identification

Manufacturer/Distributor : Laddaw Limited  
Street/postbox : Interlink Way South, Bardon Hill  
Town/City and Post Code : Coalville, Leicestershire LE67 1PG  
Country : United Kingdom  
Telephone no. : 0871 220 5522  
Fax no. :  
e-mail address of person responsible for this SDS : Belron Technical Support  
Emergency telephone number : 0044 (0)1530 516733 Opening Hours 0830 - 1730

## 2. HAZARDS IDENTIFICATION

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : F; R11  
Xi; R36  
R42/43, R66, R67

Physical/chemical hazards : Highly flammable.

Human health hazards : Irritating to eyes. May cause sensitisation by inhalation and skin contact. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Additional warning phrases : Contains isocyanates. See information supplied by the manufacturer.

See section 11 for more detailed information on health effects and symptoms.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family/ Characteristics : Solventbased polyisocyanate

Ingredient name	CAS number	%	EC number	Classification
ethyl acetate	141-78-6	50-75	205-500-4	F; R11 [1] [2] Xi; R36 R66, R67
Aliphatic polyisocyanate	28182-81-2	5-10		R43 [1]
tris(p-isocyanatophenyl) thiophosphate	4151-51-3	5-10	223-981-9	R42 [1]
Isophorondiisocyanate homopolymer	53880-05-0	5-10	500-125-5	R43 [1]
n-butyl acetate	123-86-4	<15	204-658-1	R10 [1] [2] R66, R67
2-methoxy-1-methylethyl acetate	108-65-6	1-5	203-603-9	R10 [2]
chlorobenzene	108-90-7	<0.25	203-628-5	R10 [1] [2] Xn; R20 N; R51/53
See section 16 for the full text of the R-phrases declared above				

Date of issue : 27.09.2010.

MSDS no. : 120103

1/7

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

Occupational exposure limits, if available, are listed in section 8.

### 4. FIRST AID MEASURES

#### First-aid measures

- Inhalation** : If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Get medical attention if adverse health effects persist or are severe. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Maintain an open airway. Seek immediate medical attention.
- Skin contact** : Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur.
- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

See section 11 for more detailed information on health effects and symptoms.

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Not suitable** : Do not use water jet.
- Special exposure hazards** : Highly flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
- Hazardous combustion products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
sulfur oxides  
phosphorus oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Put on appropriate personal protective equipment (see section 8). Evacuate surrounding areas.
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## 6. ACCIDENTAL RELEASE MEASURES

- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment.
- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment.

## 7. HANDLING AND STORAGE

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, keep tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous.

- Storage** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### Packaging materials

- Recommended** : Use original container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limit values

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
ethyl acetate	<b>EH40/2005 WELs (United Kingdom (UK), 8/2007).</b> STEL: 400 ppm 15 minute(s). TWA: 200 ppm 8 hour(s).
Aliphatic polyisocyanate	<b>EH40/2005 WELs (United Kingdom (UK), 8/2007). Skin sensitiser.</b> STEL: 0.07 mg/m <sup>3</sup> , (as NCO) 15 minute(s). TWA: 0.02 mg/m <sup>3</sup> , (as NCO) 8 hour(s).
n-butyl acetate	<b>EH40/2005 WELs (United Kingdom (UK), 8/2007).</b> STEL: 966 mg/m <sup>3</sup> 15 minute(s). STEL: 200 ppm 15 minute(s). TWA: 724 mg/m <sup>3</sup> 8 hour(s). TWA: 150 ppm 8 hour(s).
2-methoxy-1-methylethyl acetate	<b>EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin.</b> STEL: 548 mg/m <sup>3</sup> 15 minute(s). STEL: 100 ppm 15 minute(s). TWA: 274 mg/m <sup>3</sup> 8 hour(s). TWA: 50 ppm 8 hour(s).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chlorobenzene	<b>EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin.</b> STEL: 3 ppm 15 minute(s). TWA: 1 ppm 8 hour(s).
---------------	---

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

### Exposure controls

**Occupational exposure controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.  
organic vapour filter (Type A)  
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: Butyl rubber/nitrile rubber gloves.

**Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

**Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Use barrier skin cream.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

#### Appearance

**Form** : Liquid.  
**Colour** : Black.  
**Odour** : Pleasant, ester-like.

#### Important health, safety and environmental information

**pH** : 7  
**Boiling point** : >77°C (>170.6°F)  
**Flash point** : Closed cup: --4°C (24.8°F)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Explosion limits** : Lowest known value:  
Lower: 2.1% (ethyl acetate)  
Highest known value:  
Upper: 11.5% (ethyl acetate)
- Vapour pressure** : Highest known value: 10 kPa (75 mm Hg) (ethyl acetate)
- Density** : ~1.05 g/cm<sup>3</sup> [20°C (68°F)]

## 10. STABILITY AND REACTIVITY

- Stability** : The product is stable.
- Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
- Materials to avoid** : Highly reactive or incompatible with the following materials:  
oxidizing materials
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

### Potential acute health effects

- Inhalation** : Vapours may cause drowsiness and dizziness. May cause sensitisation by inhalation. May cause irritation.
- Ingestion** : Can cause gastrointestinal disturbances.
- Skin contact** : Defatting to the skin. May cause skin dryness and irritation. May cause sensitisation by skin contact.
- Eye contact** : Irritating to eyes.
- Chronic effects** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

## 12. ECOLOGICAL INFORMATION

- Environmental effects** : Avoid contact of spilt material and runoff with soil and surface waterways. Do not empty into drains; dispose of this material and its container in a safe way.

## 13. DISPOSAL CONSIDERATIONS

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
- European waste catalogue** : 08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances
- Packaging** : Completely emptied packagings may be given for recycling. Empty packaging may still contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.
- 15 01 10\* packaging containing residues of or contaminated by dangerous substances

## 13. DISPOSAL CONSIDERATIONS

## 14. TRANSPORT INFORMATION

### International transport regulations

#### ADR

	: UN1866
ADR Class	: 3
Classification code	: F1
Packing group	: II
Proper shipping name	: Resin solution
Label No.	: 3

#### IMDG

UN number	: UN1866
IMDG Class	: 3
Packing group	: II
Proper shipping name	: Resin solution
Emergency schedules (EmS)	: F-E, S-E
Marine pollutant	: No
Label no.	: 3

#### IATA

UN number	: UN1866
IATA Class	: 3
Packing group	: II
Proper shipping name	: Resin solution
Label no.	: 3

## 15. REGULATORY INFORMATION

### EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Hazard symbol or symbols	: F, Xn Highly flammable, Harmful
Contains	: Aliphatic polyisocyanate tris(p-isocyanatophenyl) thiophosphate Isophorondiisocyanate homopolymer
Risk phrases	: R11- Highly flammable. R36- Irritating to eyes. R42/43- May cause sensitisation by inhalation and skin contact. R66- Repeated exposure may cause skin dryness or cracking. R67- Vapours may cause drowsiness and dizziness.
Safety phrases	: S23- Do not breathe gas/fumes/vapour/spray S24- Avoid contact with skin. S37- Wear suitable gloves. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Additional warning phrases	: Contains isocyanates. See information supplied by the manufacturer.
VOC content (EU)	: VOC (w/w): 57.56%

### National regulations

## 15. REGULATORY INFORMATION

- Regulatory Information** : Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP 4)  
Control of Substances Hazardous to Health Regulations 2002 (COSHH) (as amended)  
Health & Safety at Work Act 1974  
Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR)  
The Environmental Protection (Duty of Care) Regulations 1991  
Hazardous waste regulations 2005  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007
- Guidance Publications** : EH40, Workplace Exposure Limits, HSE (as updated).  
Approved Code of Practice - Management of Health and Safety at Work, HSE  
General Approved Code of Practice to COSHH Regulations, HSE.  
HS(G) 53, Respiratory Protection Equipment - a Practical Guide for Users, HSE.

## 16. OTHER INFORMATION

- Full text of classifications referred to in sections 2 and 3** : R11- Highly flammable.  
R10- Flammable.  
R20- Harmful by inhalation.  
R36- Irritating to eyes.  
R42- May cause sensitisation by inhalation.  
R43- May cause sensitisation by skin contact.  
R42/43- May cause sensitisation by inhalation and skin contact.  
R66- Repeated exposure may cause skin dryness or cracking.  
R67- Vapours may cause drowsiness and dizziness.  
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Full text of classifications referred to in sections 2 and 3** : F - Highly flammable  
Xn - Harmful  
Xi - Irritant  
N - Dangerous for the environment

### History

- Date of printing** : 27.09.2010.  
**Date of issue** : 27.09.2010.  
**Date of previous issue** : 27.09.2010.

☑ Indicates information that has changed from previously issued version.

### Notice to reader

*The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.*