



## SAFETY DATA SHEET

### Tyreweld

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

|                     |   |
|---------------------|---|
| PRODUCT NAME        | Tyreweld  |
| PRODUCT NO.         | HT1, HT3SKY, HT5SKY6, HT3Y, HT3YBQ, HT3YCB, HT4Y, HT5SFY, HT5SFY6, HT5SKY, HT3YBP, HT2, 182907, 182915, HT3YA, HT2YA, HT4X4A, HT3YABT, HT3YVT, HT3YAFSDU, HT23YRU, HT5YRU, HT3, HT3YEPP, HT3YQP, HT3YEPK, HT3YEPKA, HT1SK, HT2Y, HT3GRY, HT3N, HT3RUY, HT3SFY                   |
| SUPPLIER            | Holt Lloyd International Ltd<br>Oakhurst Drive, Lawnhurst Trading Estate<br>Cheadle Heath,<br>Stockport,<br>SK3 0RZ- England<br>+44 (0)161 491 7391<br>FAX +44 (0)161 491 7399<br>A Honeywell Consumer Products Group Company<br>www.holtsauto.com                              |
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#### 2 HAZARDS IDENTIFICATION

Extremely flammable.

CLASSIFICATION F+;R12.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name      | EC No.    | CAS-No.  | Content | Classification |
|-----------|-----------|----------|---------|----------------|
| BUTANE    | 203-448-7 | 106-97-8 | 10-30%  | F+;R12         |
| ISOBUTANE | 200-857-2 | 75-28-5  | 10-30%  | F+;R12         |

The Full Text for all R-Phrases are Displayed in Section 16

#### 4 FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

##### INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

##### SKIN CONTACT

Remove affected person from source of contamination. Get medical attention if irritation persists after washing.

##### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Alcohol resistant foam. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc.

##### SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control.

##### UNUSUAL FIRE & EXPLOSION HAZARDS

Risk of explosion if heated. If heated, volume and pressure increases strongly, resulting in explosion of container.

## Tyreweld

## SPECIFIC HAZARDS

Fire creates: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

## 6 ACCIDENTAL RELEASE MEASURES

## SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

## 7 HANDLING AND STORAGE

## USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

## STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

## STORAGE CLASS

Flammable liquid storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name      | Std | TWA - 8 hrs |                        | STEL - 15 min |                        | Notes |
|-----------|-----|-------------|------------------------|---------------|------------------------|-------|
| BUTANE    | WEL | 600 ppm     | 1450 mg/m <sup>3</sup> | 750 ppm       | 1810 mg/m <sup>3</sup> |       |
| ISOBUTANE | OES | 800 ppm     |                        | 800 ppm       |                        |       |

WEL = Workplace Exposure Limit.

## INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

## PROTECTIVE EQUIPMENT



## PROCESS CONDITIONS

Use engineering controls to reduce air contamination to permissible exposure level.

## ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

## RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

## HAND PROTECTION

Use suitable protective gloves if risk of skin contact. Rubber gloves are recommended. EN374

## EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

## OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

## 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 wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

|                               |  |                               |     |
|-------------------------------|--|-------------------------------|-----|
| COLOUR                        | White  |                               |     |
| ODOUR                         | Slight odour   |                               |     |
| SOLUBILITY                    | Slightly soluble in water. Insoluble in ordinary solvents. |                               |     |
| RELATIVE DENSITY              | 0.995  | pH-VALUE, CONC. SOLUTION      | 9.5 |
| FLAMMABILITY LIMIT - LOWER(%) | 4.8  | FLAMMABILITY LIMIT - UPPER(%) | 9.5 |

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 11 TOXICOLOGICAL INFORMATION

### INHALATION

High concentration of mist may be irritating to the upper respiratory tract.

### INGESTION

May cause discomfort if swallowed.

### SKIN CONTACT

Prolonged or repeated exposure may cause severe irritation.

### EYE CONTACT

Repeated exposure may cause chronic eye irritation.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The product is not expected to be hazardous to the environment.

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION



|                      |          |                  |                |
|----------------------|----------|------------------|----------------|
| UK ROAD CLASS        | 2.1      | UK ROAD PACK GR. | #              |
| PROPER SHIPPING NAME | AEROSOLS | ADR CLASS        | Class 2: Gases |
| UN NO. ROAD          | 1950     | ADR LABEL NO.    | 2.1            |
| ADR CLASS NO.        | 2.1      | RID PACK GROUP   | #              |
| ADR PACK GROUP       | #        | IMDG CLASS       | 2.1            |
| RID CLASS NO.        | 2.1      | EMS              | F-D, S-U       |
| UN NO. SEA           | 1950     | UN NO. AIR       | 1950           |
| IMDG PACK GR.        | #        | AIR PACK GR.     | #              |
| MARINE POLLUTANT     | No.      |                  |                |
| AIR CLASS            | 2.1      |                  |                |

## 15 REGULATORY INFORMATION

### LABELLING



Extremely Flammable

**Tyreweld**

## RISK PHRASES

R12 Extremely flammable.

## SAFETY PHRASES

S2 Keep out of the reach of children

S9 Keep container in a well-ventilated place.

S16 Keep away from sources of ignition - No smoking.

S51 Use only in well-ventilated areas.

S46 If swallowed, seek medical advice immediately and show this container or label.

A1 Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

A2 Do not spray on a naked flame or any incandescent material.

## EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Detergents Regulation EC 648/2004 VOC Directive - 2004/42/EC

## NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

**16 OTHER INFORMATION**

## REVISION COMMENTS

Change of reference number.

REVISION DATE 11/05/2009

REV. NO./REPL. SDS GENERATED 9

SDS NO. 11695

DATE 01-12-05

## RISK PHRASES IN FULL

R12 Extremely flammable.

## DISCLAIMER

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