



## SAFETY DATA SHEET

### Holts Brake Cleaner

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

PRODUCT NAME	Holts Brake Cleaner
PRODUCT NO.	52460600131, 72460500136
SUPPLIER	Holt Lloyd International Ltd Oakhurst Drive, Lawnhurst Trading Estate Cheadle Heath, Stockport, SK3 0RZ- England +44 (0)161 491 7391 FAX +44 (0)161 491 7399 A Honeywell Consumer Products Group Company www.holtsauto.com
CONTACT PERSON	Regulatory Affairs
EMERGENCY TELEPHONE	FR - INRS Tél: 01.45.42.59.59 24hrs B - Antigifcentrum Tél: +32.70.245.245 24hrs NL - Rijksinstituut voor Volksgezondheid en Milieuhygiëne: tel. +31 (0)30 2748888 24hrs UK - 00 44 (0) 161 491 7391 office hrs = 0900 - 1700 hrs Out of office hours Tel: 020 7358 9167

#### 2 HAZARDS IDENTIFICATION

Highly flammable. Vapours may cause drowsiness and dizziness. Irritating to skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xi;R38. F;R11. N;R50/53. R67.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
HEPTANE	205-563-8	142-82-5	49.8628%	F;R11 Xn;R65 Xi;R38 R67 N;R50/53
HEXANE MIXTURE OF ISOMERS			28.767%	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.
METHYLCYCLOHEXANE	203-624-3	108-87-2	7.6712%	F;R11 Xn;R65 Xi;R38 R67 N;R51/53
CYCLOPENTANE	206-016-6	287-92-3	5.7534%	F;R11 R52/53
NON HAZARDOUS INGREDIENTS			4.11%	-
PENTANE	203-692-4	109-66-0	1.9178%	F+;R12 Xn;R65 R66 R67 N;R51/53
HEXANE-norm	203-777-6	110-54-3	1.9178%	F;R11 Repr3;R62 Xn;R65,R48/20 Xi;R38 R67 N;R51/53

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. Keep the affected person warm and at rest. Get prompt medical attention.

##### INGESTION

Rinse mouth thoroughly. Provide rest, warmth and fresh air. **DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!**

##### SKIN CONTACT

Remove affected person from source of contamination. Get medical attention if any discomfort continues.

##### EYE CONTACT

Remove victim immediately from source of exposure. 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 and get medical attention.

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## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

### SPECIAL FIRE FIGHTING PROCEDURES

Move container from fire area if it can be done without risk.

### UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire.

## 6 ACCIDENTAL RELEASE MEASURES

### SPILL CLEAN UP METHODS

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
HEPTANE	WEL	500 ppm			
HEXANE-norm	WEL	20 ppm	72 mg/m3		

### PROTECTIVE EQUIPMENT



### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

### HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. EN374 Rubber gloves are recommended.

### EYE PROTECTION

Wear approved safety goggles.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### HYGIENE MEASURES

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. When using do not eat, drink or smoke. **DO NOT SMOKE IN WORK AREA!**

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol	RELATIVE DENSITY	0.686
ODOUR	Aromatic hydrocarbons	VISCOSITY	0.44mm <sup>2</sup> 40°C
BOILING POINT (°C)	63° - 100°C	AUTO IGNITION	200°C
VOLATILE BY VOL. (%)	95.89%	TEMPERATURE (°C)	
FLASH POINT (°C)	<1C		

## 10 STABILITY AND REACTIVITY

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.

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**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire or high temperatures create: Acrid smoke/fumes of: Carbon dioxide (CO2). Carbon monoxide (CO).

**11 TOXICOLOGICAL INFORMATION**

**INHALATION**

Vapours may cause headache, fatigue, dizziness and nausea. When working extensively on big surfaces in small and badly ventilated rooms, vapours may develop in concentrations which may cause headache and irritation of the eyes and the respiratory system.

**INGESTION**

May cause chemical burns in mouth, oesophagus and stomach. Harmful: may cause lung damage if swallowed.

**SKIN CONTACT**

Irritating to skin. Prolonged or repeated exposure may cause severe irritation.

**EYE CONTACT**

Spray and vapour in the eyes may cause irritation and smarting.

**ROUTE OF ENTRY**

Inhalation. Skin and/or eye contact.

**12 ECOLOGICAL INFORMATION**

**ECOTOXICITY**

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

**13 DISPOSAL CONSIDERATIONS**

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements. Empty containers must not be burned because of explosion hazard. Do not allow runoffs! This chemical is toxic to organisms in water.

**14 TRANSPORT INFORMATION**

**GENERAL**

**LIMITED QUANTITIES**



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

**15 REGULATORY INFORMATION**

**LABELLING**



Irritant



Highly Flammable



Dangerous for the environment

**RISK PHRASES**

R11

Highly flammable.

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R38	Irritating to skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

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.
S2	Keep out of the reach of children
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S24	Avoid contact with skin.
S29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
S51	Use only in well-ventilated areas.

### 16 OTHER INFORMATION

REVISION DATE	22/07/2008
REV. NO./REPL. SDS GENERATED	10
SDS NO.	12870
DATE	17-11-05

RISK PHRASES IN FULL

R11	Highly flammable.
R12	Extremely flammable.
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

#### DISCLAIMER

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.