



## Material Safety Data Sheet

### Hazardous According To The Criteria Of NOHSC

#### 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name:</b>	<b>BRAKE CLEANER</b>
<b>Other Name:</b>	None
<b>Manufacturer's Product Code:</b>	
<b>Recommended Use:</b>	Industrial solvent
<b>Supplier Name:</b>	AUTOSMART AUSTRALIA
<b>Supplier Address:</b>	AUTOSMART AUSTRALIA 11 DARRAMBAL CLOSE RATHMINES NSW 2283 <a href="http://www.automartaustralia.com.au">www.automartaustralia.com.au</a> <a href="http://www.automartinternational.com">www.automartinternational.com</a> <a href="mailto:automart@automartaustralia.com.au">automart@automartaustralia.com.au</a>
<b>Telephone No.:</b>	02 49 75 14 88 (Mon to Fri, 08:00 – 16:00 AEST) (General Information. Transport Information. Mild medical Information)
<b>Emergency No.:</b>	0011 44 7808 971 321 (24 Hrs) (Autosmart International) 13 11 26 (24 Hours) Poison Information Centre Australia

#### 2 HAZARDS IDENTIFICATION

**HAZARD DESIGNATION:** Hazardous According To The Criteria Of NOHSC

**Hazard Category:** **F - HIGHLY FLAMMABLE**  
**Xn – HARMFUL**  
**N – DANGEROUS FOR THE ENVIRONMENT**

**Risk Phrases:**

R11	Highly Flammable.
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53	Toxic 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.
R67	Vapours may cause drowsiness and dizziness.

**Safety Phrases:**

S1/2	Keep locked up and out of the reach of children.
S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S24/25	Avoid contact with skin and eyes.
S36/37	Wear suitable protective clothing and gloves.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S51	Use only in well-ventilated areas.

S62

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

**ADG CLASSIFICATION:**

CLASS 3 "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Good by Road and Rail.

**SUSDP CLASSIFICATION:**

Schedule 5 (Standard for the Uniform Scheduling of Drugs and Poisons)

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT	CAS NUMBER:	PROPORTION (% W/W)
CYCLOHEXANE	110-82-7	10-30%
HEPTANE	142-82-5	30-60%
HEXANE-norm	110-54-3	10-30%
METHYLCYCLOHEXANE	108-87-2	5-10%
Other ingredients determined not to be hazardous		To 100%

**4 FIRST AID MEASURES**

**IF POISONING OCCURS, IMMEDIATELY CONTACT A DOCTOR OR POISONS INFORMATION CENTRE (TELEPHONE 13 11 26), AND FOLLOW THE ADVICE GIVEN. SHOW THIS MATERIAL SAFETY DATA SHEET TO A DOCTOR.**

**Inhalation:**

Remove person to fresh air. Keep at rest. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing has stopped, apply artificial respiration immediately. Seek medical advice.

**Skin Contact:**

Remove all contaminated clothing. Wash the skin with plenty of water. Seek medical attention if discomfort continues. Launder clothing before re-use.

**Eye contact:**

Immediately rinse eyes thoroughly, including under eyelids, with running water for at least 15 minutes. Seek immediate medical advice.

**Ingestion:**

Do NOT induce vomiting. Seek immediate medical advice.

**First Aid Facilities:**

Provide an eyewash station in the workplace.

**Symptoms:**

Not available

**Medical attention:**

This product is a hydrocarbon solvent. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

**5 FIRE FIGHTING MEASURES****Extinguishing media:**

Foam, dry chemical or water spray. Do not use a water jet from a fire hose.

**Hazards from combustion products:**

No data available.

**Precautions for fire fighters:**

Extinguish all sources of ignition. This product is a combustible liquid. Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment. Keep intact containers cool by spraying with water.

**ADDITIONAL INFORMATION:**

## 6 ACCIDENTAL RELEASE MEASURES

Extinguish all ignition sources. Wear suitable protective clothing and boots. Prevent spill from entering drains, sewers or any body of water. Contain and absorb with sand, earth or inert absorbent. Scoop or shovel into sealable containers for disposal in accordance with applicable local, state and federal regulations.

Spillage's May Be Slippery.

## 7 HANDLING AND STORAGE

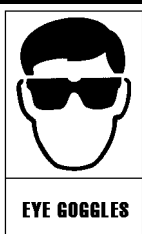
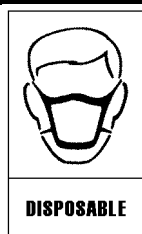
### Handling:

Keep away from heat, sparks, open flame and all other sources of ignition. Keep out of reach of children. Avoid contact with skin and eyes and do not inhale spray mist. Use only in a well-ventilated area. Do not apply in the presence of naked flames, hot surfaces or unprotected electrical equipment. Use proper grounding procedures.

### Storage:

Store product in the closed, original container in a cool, well-ventilated area away from direct sunlight.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION



### Exposure Standards:

Name	Std	TWA - 8 hrs	STEL - 15 min
CYCLOHEXANE	WEL	100 ppm 350 mg/m3	300 ppm 1050 mg/m3
HEPTANE	WEL	500 ppm	
HEXANE-norm	WEL	20 ppm 72 mg/m3	

T.W.A – The time-weighted average airborne concentration over an eight-hour working day, for five-day working week over an entire working life

S.T.E.L. (Short term Exposure Limit) – the average airborne concentration over a fifteen minute period which should not be exceeded at any time during a normal eight hour working day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers

### Engineering Controls:

Ensure adequate ventilation. Keep container closed when not in use.

### Personal Protective Equipment:

#### **EYES:**

Avoid contact with eyes. Wear safety goggles.

#### **CLOTHING:**

Wear suitable protective clothing. Protective clothing must be stored separately from private clothing.

#### **GLOVES:**

Avoid contact with skin. Wear PVC gloves.

#### **RESPIRATORY:**

Wear an approved respirator to prevent inhalation, if other control measures are inadequate.

#### **OTHER:**

Do not eat, drink or smoke until after washing. Wash thoroughly after handling. After each day's use wash gloves, goggles and contaminated clothing.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Colourless Liquid
<b>Odour:</b>	Solvent
<b>Vapour Pressure:</b>	not relevant.
<b>Vapour Density:</b>	Not available
<b>Boiling Point:</b>	>75°C
<b>Freezing/melting point:</b>	Not available
<b>Solubility:</b>	Insoluble in Water. Miscible in Hydrocarbons
<b>Density:</b>	0.75 @ 20 °C
<b>pH Neat:</b>	Not relevant
<b>Flashpoint:</b>	-15 deg/C
<b>Flammability (explosive) limits:</b>	LEL 1%, UEL 6%
<b>Auto-ignition temperature:</b>	
<b>Percent volatiles:</b>	100%
<b>Octanol/water partition coefficient:</b>	Not available
<b>Formulation:</b>	Fabric Protector

**10 STABILITY AND REACTIVITY**

<b>Chemical stability:</b>	Normally stable
<b>Hazardous polymerisation:</b>	Not available
<b>Conditions to avoid:</b>	heat, spark, open flame and all other sources of ignition.
<b>Incompatible materials:</b>	Incompatible with strong oxidising agents
<b>Hazardous decomposition products:</b>	Carbon Monoxide
<b>Hazardous reactions:</b>	Not available

**11 TOXICOLOGICAL INFORMATION**

<b>Inhalation:</b>	Harmful: may cause lung damage if swallowed. Do not breathe vapour / spray / fumes. Inhalation of spray may produce respiratory irritation and can result in headaches, dizziness, drowsiness, and possibly nausea.
<b>Skin contact:</b>	Mild irritant and drying to the skin. The material should not be allowed to come into contact with the skin.
<b>Eye contact:</b>	The material should not be allowed to contact the eyes.
<b>Ingestion:</b>	Aspiration of product into the lungs can cause fatal chemical pneumonitis.
<b>Other:</b>	None ANIMAL TOXICITY DATA – PRODUCT: No data available for the product. ANIMAL TOXICITY DATA – INDIVIDUAL INGREDIENTS:
<b>Acute: Oral toxicity:</b>	LD50 rat: Not available
<b>Dermal toxicity:</b>	LD50 rabbit: not available
<b>Inhalation toxicity:</b>	Not available
<b>Skin irritation:</b>	Mild irritant
<b>Eye irritation:</b>	Mild irritant
<b>Sensitisation:</b>	Moderate skin sensitiser
<b>Chronic:</b>	

**12 ECOLOGICAL INFORMATION**

<b>Fish toxicity:</b>	Data not available
<b>Daphnia toxicity:</b>	Data not available
<b>Toxicity to algae:</b>	Data not available
<b>Bird toxicity:</b>	Data not available
<b>Bee toxicity:</b>	Data not available
<b>Other:</b>	No data available
<b>Environmental fate, persistence and degradation:</b>	Degrades rapidly in soil and water.

**13 DISPOSAL CONSIDERATIONS**

Do not discharge into drains. Do not incinerate. Dispose of waste material via a licensed waste disposal contractor to a regulated landfill.

**14 TRANSPORT INFORMATION**

**UN number:** 3295  
**Proper shipping name:** HYDROCARBONS, LIQUID, N.O.S. (HEPTANE, CYCLOHEXANE)  
**Class and Subsidiary Risk:** **CLASS 3** "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.  
**Packing Group:** II  
**EPG:** Not applicable  
**Hazchem code:** 3Y

**15 REGULATORY INFORMATION**

Allocated Poison schedule number 5.

**16 OTHER INFORMATION****Preparation information:**

Only trained personnel should use this material.

**MSDS Issue**

Issue	No.3
Prepared:	01/09/2013
Next review date:	01/09/2018
Reason for Update	Review & update

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**Data Sources and References:**

National Code of Practice for the preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011 (2003)].

Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) No 23

National code of practice for the storage and handling of Workplace Dangerous Goods [NOHS:2017 (2001)]

National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHS:21003 (1995)]

**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.

END OF MSDS