

Permatex Europe
Unit 3, Express Park,
Shipton Way, Northampton Road,
Rushden, Northamptonshire
NN10 6GK UK
Ph: 0870 4589545

SAFETY DATA SHEET
according to REACH regulation 1907/2006

1. IDENTIFICATION OF THE PREPARATION

Identification of the preparation: **NON-CHLORINATED BRAKE & PARTS CLEANER 14.5OZ AE**
Item No: **82220**
Recommended use: **Aerosol cleaner**

2. HAZARDS IDENTIFICATION

Classification: F - Highly flammable, Xn - Harmful, N - Dangerous for the environment
Most Important Hazards: Highly flammable. Warning! Container under pressure. Irritating to eyes and skin. May cause irritation of respiratory tract. Vapours may cause drowsiness and dizziness. Aspiration may cause pulmonary oedema and pneumonitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	EC Number	EU Classification
ACETONE 67-64-1	<60	200-662-2	F;R11 R66 R67 Xi;R36
HEPTANE 142-82-5	<20	205-563-8	F;R11 N;R50-53 R67 Xi;R38 Xn;R65
XYLENE 1330-20-7	<15	215-535-7	R10 Xi;R38 Xn;R20/21
CARBON DIOXIDE 124-38-9	<5	204-696-9	None
ETHYL BENZENE 100-41-4	<5	202-849-4	F;R11 Xn;R20

4. FIRST-AID MEASURES

General advice: If you feel unwell, seek medical advice (show the label where possible).
Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.
Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician.
Eye Contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion: If swallowed, seek medical advice immediately and show this container or label.
Protection of first-aiders: Avoid contact with skin, eyes and clothing.

4. FIRST-AID MEASURES

Notes to Physician: Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide (CO₂), Dry chemical, foam

Extinguishing media which must not be used for safety reasons: None reasonably foreseeable.

Special instructions for protection and hygiene: Flammable. Keep away from heat and sources of ignition.

Special protective equipment for firefighters: Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: For additional information on processing see sections 7, 8 and 11 of this safety data sheet.

Environmental Precautions: Do not flush into surface water or sanitary sewer system.

Cleanup: Ensure adequate ventilation. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Handling precautions: Warning! Container under pressure. Risk of receptacle bursting. Keep away from sources of ignition - No smoking. Avoid contact with the skin and the eyes. Avoid breathing vapors or mists. Wash hands before breaks and immediately after handling the product.

Storage: Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH; TLV-TWA	German MAK; TWA	UK WEL; TWA	Finnish OEL; HTP
ACETONE 67-64-1	500 ppm; 1188 mg/m ³	500 ppm; 1200 mg/m ³	500 ppm; 1210 mg/m ³	8h: 500 ppm; 1200 mg/m ³ ; 15min: 630 ppm; 1500 mg/m ³
HEPTANE 142-82-5	400 ppm TWA; 500 ppm STEL	500 ppm; 2100 mg/m ³	500 ppm	8h: 300 ppm, 1200 mg/m ³ ; 15min: 500 ppm, 2100 mg/m ³
XYLENE 1330-20-7	100 ppm	100 ppm; 440 mg/m ³	50 ppm; 220 mg/m ³	8h: 50 ppm, 220 mg/m ³ ; 15min: 100 ppm, 440 mg/m ³
CARBON DIOXIDE 124-38-9	5000 ppm	5000 ppm; 9100 mg/m ³	5000 ppm; 9150 mg/m ³	8h: 5000 ppm, 9000 mg/m ³
ETHYL BENZENE 100-41-4	100 ppm; 434 mg/m ³	Not listed	100 ppm; 441 mg/m ³	8h: 50 ppm, 220 mg/m ³ ; 15min: 200 ppm, 880 mg/m ³

Ventilation: Provide adequate ventilation .

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Skin: Rubber or plastic gloves.

Eyes: Safety glasses

Hygiene Measures: When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	translucent liquid
Odor:	SOLVENT
pH:	Does not apply
Boiling point/range:	No information available
Melting point:	Not determined
Flash point:	Flammable aerosol per flame projection test
Risk of explosion:	Flammable. Keep away from heat and sources of ignition. Heating can release vapours which can be ignited.
Vapor pressure:	Not determined
Density:	0.79
Solubility in water:	Negligible
Partition coefficient (n-octanol/water):	Not determined
Vapor density:	>1 (Air = 1)
Evaporation Rate:	>1 (Ether = 1)
VOC Content(%):	35.5%

10. STABILITY/REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Heat
Materials to avoid:	Strong oxidizing agents
Hazardous decomposition products:	Carbon oxides

11. TOXICOLOGICAL INFORMATION

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat
ACETONE 67-64-1	<60	1800 mg/kg	76 mg/L/4H
HEPTANE 142-82-5	<20		103 g/m ³ /4H
XYLENE 1330-20-7	<15	4300 mg/kg	5000 ppm/4H
ETHYL BENZENE 100-41-4	<5	3500 mg/kg	inhal rat 4,000ppm 4hr.

Local Effects

Skin Irritation:	May cause skin irritation and/or dermatitis.
Eye Irritation:	Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.
Inhalation:	May cause irritation of respiratory tract. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Ingestion:	Aspiration may cause pulmonary oedema and pneumonitis.
Sensitization:	None reasonably foreseeable.
Chronic toxicity:	Liver and kidney injuries may occur.

Specific Effects

Carcinogenic effects:	None reasonably foreseeable.
Mutagenic effects:	None reasonably foreseeable.
Reproductive toxicity:	None reasonably foreseeable
Target Organ Effects:	Eyes, Skin, Respiratory System, Gastrointestinal Tract

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
---------------------	---

13. DISPOSAL CONSIDERATIONS

Waste from Residues: According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

RoHS/WEEE: This product is in compliance with EU Directive 2002/95/EC Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) and EU Directive 2002/96/EC Restriction on waste electrical and electronic equipment (WEEE).

14. TRANSPORT INFORMATION

IATA

Proper Shipping Name: Aerosols
Hazard Class: Class 2
UN/ID No: UN 1950

IMDG

Proper shipping name: Aerosol
Hazard Class: Class 2.1
UN/ID No: UN 1950
Marine Pollutant: None

ADR/RID

Proper Shipping Name: Aerosols
Hazard Class: Class 2.1
UN/ID No: UN 1950
ADR/RID: Limited Quantity; LQ2

15. REGULATORY INFORMATION

This product is classified in accordance with Annex VI to Directive 67/548/EEC

Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Indication of Danger:

F - Highly flammable, Xn - Harmful, N - Dangerous for the environment, acetone, heptane, xylene

R -phrase(s):

R11 - Highly flammable
R36/38 - Irritating to eyes and skin
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 - Harmful: may cause lung damage if swallowed
R67 - Vapours may cause drowsiness and dizziness

S -phrase(s):

S 2 - Keep out of the reach of children
S16 - Keep away from sources of ignition - No smoking
S24/25 - Avoid contact with skin and eyes
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37 - Wear suitable protective clothing and gloves
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

Product Name: NON-CHLORINATED BRAKE & PARTS
CLEANER 14.5OZ AE

Item No: 82220

16. OTHER INFORMATION

Risk Phrases mentioned in Section 2:

R10 - Flammable.

R11 - Highly flammable.

R20 - Harmful by inhalation.

R36 - Irritating to eyes.

R38 - Irritating to skin.

R65 - Harmful: may cause lung damage if swallowed.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness

R20/21 - Harmful by inhalation and in contact with skin.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Prepared By: Denise Boyd, Manager-
Environmental, Health & Safety

Company: Permatex, Inc. 10 Columbus
Blvd. Hartford, CT USA 06106

Telephone: 877-376-2839

Revision Date: February/07/2008

Revision Number: 2