

Material Safety Data Sheet
Complies with EEC directive (2001/58/EEC)

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1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name: Electro Dry & Brake Cleaner

Chemical characterization

A mixture of alifatic and oxygencontaining hydrocarbons and a propellant.

Supplier

Americol B.V.

Sluispolderweg 33

1505 HJ Zaandam - The Netherlands

Telephone No. +31 (0)75 631 32 44

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Emergency telephone No.+31 (0)75 631 32 44

Contact Person Rene Doornink

2 COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Butane

Content (%Vol): 1 - 10

Symbol(s): F+

CAS-, EINECS/EC-number: 106-97-8, 203-692-4

Risk phrase(s): R12

Propane

Content (%Vol): 1 - 10

Symbol(s): F+

CAS-, EINECS/EC-number: 74-98-6, 200-827-9

Risk phrase(s): R12

Pentane

Content (%Vol): 10 - 25

Symbol(s): Xn F+ N

CAS-, EINECS/EC-number: 109-66-0, 203-692-4

Risk phrase(s): R12, R51/53, R65, R66, R67

Nafta

Content (%Vol): > 75

Symbol(s): Xn F N

CAS-, EINECS/EC-number: 64742-49-0, 265-151-9

Risk phrase(s): R11, R38, R51/53, R65, R67

Ethanol

Content (%Vol): 1 - 10

Symbol(s): F

CAS-, EINECS/EC-number: 64-17-5, 200-578-6

Risk phrase(s): R11

3 HAZARDS IDENTIFICATION

Eyes

Exposure to dust may be irritating to the eyes.

Inhalation

Narcotic at high concentrations.

Ingestion

Harmful if swallowed.

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Risk phrase(s)

R12 : Extremely flammable.
R38 : Irritating to skin.
R51/53 : Toxic to aquatic organisms, may cause long-term
adverse effects in the aquatic environment.
R67 : Vapours may cause drowsiness and dizziness.

4 FIRST AID MEASURES

Eye contact
Flushing for 15 minutes until irritation subsides.
If irritation persists, seek medical attention.

Skin contact
Wash contaminated area thoroughly with soap and water. Remove
impregnated clothing.

Inhalation
Remove to fresh air.

Ingestion
Do not induce vomiting due to aspiration hazards. Seek medical
advice.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media
Carbon dioxide.
Fire-extinguishing powder.
Foam

Never use as an extinguishing media
Never use water.

Decomposition product(s)
Carbonoxide (COx), water (H2O).

Protective measures firefighters
Fire will produce dense black smoke. Use self-contained breathing
apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personel protective measures
Consumption of food and beverage should be avoided in work
areas where hydrocarbons are present.

Environmental measures
This product should not be allowed to enter drainsand water
courses.

7 HANDLING AND STORAGE

Handling
Store in a dry and cool place.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Wear eye protection if material is handled such that it could be sprayed or splashed into the eyes.

Skin and body protection

Skin protection is not required under conditions of normal use.

Hand protection

Wear suitable gloves (PVC or rubber).

Respiratory protection

Provide adequate ventilation.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Aerosol
Colour : Colourless
Odour : Characteristic
Solubility in water : Not soluble in water.
Solubility in : Soluble in hydrocarbons.

Meltingpoint (řC) : -
Boilingpoint (řC) : <0
Flashpoint (řC) : -45
Auto ignition temp (řC) : >200
Vapour pressure (mmHg) : 4 bar
Density 20řC : 0.67
pH 100% : -
Viscosity at 20řC (cP) : -
Conductivity (ćS) : -
Evaporation rate (n-butylac.= 1): -
Explosion limits (%Vol.) : 0.8 - 13.8 %V

10 STABILITY AND REACTIVITY

Conditions to avoid

Store in accordance with local/national regulations.

11 TOXICOLOGICAL INFORMATION

Toxicity (Oral/Dermal) LD50 > 2000 mg/kg

12 ECOLOGICAL INFORMATION

After a longer adaption period, the product is biodegradable.
Toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

All disposals must comply with federal, state, and local regulations.

14 TRANSPORT INFORMATION

Description goods

A mixture of alifatic and oxygencontaining hydrocarbons and

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a propellant.

Transport (Land) ADR/RID: 2,F5
Transport (Ship -> Channals) ADN/ADNR : -

Transport (Ship -> Sea) IMDG/GGVE : 2.1
Transport (Ship -> Sea) UN No. : 1950
Transport (Ship -> Sea) Packing group : -
Transport (Ship -> Sea) EMS No. : F-D,S-U
Transport (Ship -> Sea) MFAG No. : -
Transport (Ship -> Sea) Marine pollutant: No

Transport (Air) IATA-DRG/ICAO-TI : 2.1
Transport (Air) Packing group : -

15 REGULATORY INFORMATION

Symbols: Xi N F+

Risk and Safety phrases

R12 : Extremely flammable.
R38 : Irritating to skin.
R51/53 : Toxic to aquatic organisms, may cause long-term
adverse effects in the aquatic environment.
R67 : Vapours may cause drowsiness and dizziness.
S02 : Keep out of the reach of children.
S23 : Do not breathe gas/fumes/vapour/spray (appropriate
wording to be specified by the manufacturer).
S24 : Avoid contact with skin.
S46 : If swallowed, seek medical advice immediately
and show this container or label.
S51 : Use only in well-ventilated areas.

16 OTHER INFORMATION

Version : 01
This MSDS sheet is created on date : 27-10-2003
Last revision on date : 30-10-2003
This MSDS sheet was printed on date : 07-02-2005

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties. It is in the users responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.