SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
   Mixture identification:
   Trade name: SVITOL TECHNIK RIATTIVANTE ELETTRICO SPRAY - ML 200
   Trade code: 2181

1.2 Relevant identified uses of the substance/mixture and uses advised against
   Spray to restore and lubricate electric contacts.

1.3 Details of the supplier of the safety data sheet
   Supplier:
   PETRONAS LUBRICANTS ITALY S.P.A. Divisione AREXONS - Via Antica di Cassano 23 - Cernusco sul Naviglio (MI)
   PETRONAS LUBRICANTS ITALY S.P.A. Divisione AREXONS - Tel. 02 924361 - Fax 02 92436319
   Competent person responsible for the safety data sheet:
   arexons@arexons.it

1.4. Emergency telephone number
   PETRONAS LUBRICANTS ITALY S.P.A. Divisione AREXONS - Tel. 02 924361 - Fax 02 92436319
   Centro Antiveleni di Pavia IRCCS- Fondazione Maugeri tel. 0382 24444

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:
   Properties / Symbols:
   None.
   R Phrases:
   R10 Flammable.
   R66 Repeated exposure may cause skin dryness or cracking.

   EC regulation criteria 1272/2008 (CLP):
   The mixture is not classified as dangerous according to EC Regulation 1272/2008 (CLP):

Adverse physicochemical, human health and environmental effects:
   No other hazards

2.2. Label elements
   R Phrases:
   R10 Flammable.
   R66 Repeated exposure may cause skin dryness or cracking.
   S Phrases:
   S2 Keep out of reach of children.
   S43 In case of fire, use... (indicate in the space the precise type of fire-fighting equipment. If water increases risk, add - "Never use water")
   S60 This material and its container must be disposed of as hazardous waste.

Special Provisions:
   Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of reach of children.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Symbols:
None

Hazard statements:
None

Precautionary statements:
None

Special Provisions:
None

2.3. Other hazards
vPvB Substances: None - PBT Substances: None
Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients
3.1. Substances
N.A.

3.2. Mixtures
Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:
60% - 70% Hydrocarbons C10-C13 n-iso-alkanes cyclics < 2% aromatics
REACH No.: 01-2119457273-39, EC: 918-481-9
Xn; R66-65
⚠️ 3.10/1 Asp. Tox. 1 H304

SECTION 4: First aid measures
4.1. Description of first aid measures
In case of skin contact:
Wash with plenty of water and soap.

In case of eyes contact:
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:
Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:
Remove casually to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed
None

4.3. Indication of any immediate medical attention and special treatment needed
Treatment:
None

SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media:
In case of fire, use... (indicate in the space the precise type of fire-fighting equipment. If water increases risk, add - 'Never use water')
Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters
Use suitable breathing apparatus.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove all sources of ignition.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up
Wash with plenty of water.

6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
None.
DNEL Exposure Limit Values
N.A.
PNEC Exposure Limit Values
N.A.

8.2. Exposure controls
Eye protection:  
Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:  
No special precaution must be adopted for normal use.

Protection for hands:  
Not needed for normal use.

Respiratory protection:  
Not needed for normal use.

Thermal Hazards:  
None

Environmental exposure controls:  
None

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance and colour: Spray can dispenser.
- Odour: Characteristic
- Odour threshold: N.A.
- pH: N.A.
- Melting point / freezing point: N.A.
- Initial boiling point and boiling range: N.A.
- Solid/gas flammability: N.A.
- Upper/lower flammability or explosive limits: N.A.
- Vapour density: N.A.
- Flash point: 61°C approx. of liquid part
- Evaporation rate: N.A.
- Vapour pressure: N.A.
- Relative density: N.A.
- Solubility in water: N.A.
- Lipid solubility: N.A.
- Partition coefficient (n-octanol/water): N.A.
- Auto-ignition temperature: N.A.
- Decomposition temperature: N.A.
- Viscosity: N.A.
- Explosive properties: N.A.
- Oxidizing properties: N.A.

9.2 Other information

- Miscibility: N.A.
- Fat Solubility: N.A.
- Conductivity: N.A.
- Substance Groups relevant properties N.A.

SECTION 10: Stability and reactivity

10.1 Reactivity
Stable under normal conditions

10.2 Chemical stability
Stable under normal conditions

10.3 Possibility of hazardous reactions
None

10.4 Conditions to avoid
Stable under normal conditions.

10.5 Incompatible materials
Avoid contact with combustible materials. The product could catch fire.

10.6 Hazardous decomposition products
SECTION 11: Toxicological information
11.1. Information on toxicological effects
Toxicological information of the mixture:
N.A.
Toxicological information of the main substances found in the mixture:
N.A.
If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:
   a) acute toxicity;
   b) skin corrosion/irritation;
   c) serious eye damage/irritation;
   d) respiratory or skin sensitisation;
   e) germ cell mutagenicity;
   f) carcinogenicity;
   g) reproductive toxicity;
   h) STOT-single exposure;
   i) STOT-repeated exposure;
   j) aspiration hazard.

SECTION 12: Ecological information
12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
12.2. Persistence and degradability
None
N.A.
12.3. Bioaccumulative potential
N.A.
12.4. Mobility in soil
N.A.
12.5. Results of PBT and vPvB assessment
   vPvB Substances: None - PBT Substances: None
12.6. Other adverse effects
None

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information
14.1. UN number
   UN number: 1950

14.2 UN proper shipping name:

14.3 Transport hazard class(es):
   Road (ADR): Class 2.5°F
14.4 Packing Group:

14.5 Environmental hazards

14.6 Special Precautions for User

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture


Where applicable, refer to the following regulatory provisions:
- 1999/13/EC (VOC directive)

15.2 Chemical Safety Assessment

No

SECTION 16: Other information

Text of phrases referred to under heading 3:
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- H304 May be fatal if swallowed and enters airways.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:
- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
- SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
- Italian Chemical Industry Collective Agreement - Appendix 9: "TLV-TWA for chemicals".
- Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GelStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).


INCI: International Nomenclature of Cosmetic Ingredients.

Kst: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day.

(WGK Standard).

WGK: German Water Hazard Class.