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UN NO: 1830

LQ 22

(1 ltr / 4 ltr)

Pk Gmp

11

MATERIAL SAFETY DATA SHEET

PRINTING DATE : SEPTEMBER 2001

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1. IDENTIFICATION OF SUBSTANCE

Trade name : VISSIN TRIUM + 10%

Manufacturer/supplier : **BERGEON & CIE S.A.**
Av. du Technicum 11 - CH 2400 LE LOCLE
Tel. ++41.32.933.00.55 - Fax. ++41.32.933.00.66
E-mail: bergeon@bergeon.ch

2. COMPOSITION / DATA COMPONENTS

Chemical characterization/description: Sulphuric acid and dilution

Dangerous components:

• CAS 7664-93-9 Sulphuric acid 10% R35 C

3. HAZARDOUS IDENTIFICATION

- Symbol (EU): C
R35: causes serious burn
- Water's hazard rank: Switzerland: 2
- Symbol of danger: C

4. FIRST AID

- **After eyes contact**
Rinse immediately opened eyes for 15 minutes under running water. Then consult a doctor
- **After skin contact**
Take of cloths and wash them carefully. Wash immediately with soap and water all parts of your body which have been in touch with the product.
- **After ingestion**
Rinse the mouth; diluting with large quantity of water; do not vomit (danger of suffocation); call immediately a doctor.
- **After inhalation**
Go immediately outside to get fresh air and rest. In case of uneasy, call a doctor.



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5. FIRE FIGHTING MEASURES

- Adapting the fire extinction rules
 - Cooling hot exposed packaging
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6. ACCIDENTAL RELEASE MEASURES

- It is forbidden throwing down in the waters (drains, rivers, etc.)
 - Dam a maximum of product helping by an universal pliant, then collect and give it to an agreed centre.
 - Clean the last small quantities with water and neutralize with sodium carbonate.
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7. HANDLING AND STORAGE

Information for safe handling

- Ensure good ventilation at the stock and workplace.

Storage conditions

- Keep bottles tightly sealed.
- Storage in a fresh room.
- Do not use iron stock-cases.
- Do not store together with concentrated alkaline products neither with organics products.

Protection against fire/explosions

- Iron bite, releases inflammable hydrogen and can be explosive when mixed up.
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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- VME: 1mg/m³
 - **Eye protection:**
Tightly sealed goggles
 - **Protection of hands:**
Protective gloves (PVC)
 - **Breathing equipment:**
In case of exposure at a rate higher than VME, use respiratory filter device
 - **Cloth protection:**
Wear cloths which resist acids
 - **General protective and hygienic measures:**
When using the product do not smoke, don't drink, do not eat.
Keep away from food and beverages (danger of poisoning)
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9. PHYSICAL AND CHEMICAL PROPERTIES

Form :	Fluid		
Colour:	Colourless		
Odour :	Almost inodorous		
Flash point :	< -5	°C	(1013 mbar)
Boiling point :	295 – 315	°C	(1013mbar)
Steam pressure :	0,01	mbar	(20°C)
Density :	1,285	g/cm ³	(20°C)
Viscosity :	23	mPa.s	(20°C)
Solubility in water :	Miscible	--	(20°C)
PH value :	< 1	--	(20°C)

10. STABILITY AND REACTIVITY

Stability

- Stable in regular conditions: It's decomposing from 338°C.

Dangerous reactions

- Strong reactions in contact with alkaline products.
- Heating release with other acids.
- The sulphuric acid is itself a strong oxidant.
- Incompatible with: Iron, alkaline products, earthy-alkaline metals, organic products.

Decomposition of dangerous products

- Attack of metals produce hydrogen.
- On the heat, decomposition from sulphur trioxide.

11. TOXICOLOGIC INFORMATIONS

- LD 50 (rat, oral): 2140 mg/Kg /sulphuric acid at 96%)
- LD 0 (man): about 1 -5 ml of sulphuric acid at 96%
- Toxicity rank: 2
- High corrosive for eyes and skin
- Fog and smog for the eyes and respiratory ways

12. ECOLOGICAL INFORMATIONS

- Rank of danger for waters: Switzerland 2
- Prohibition throwing out to drain pipes or to water's surfaces without previous treatment of toxicity for aquatic fauna due to local modification of pH
- Neutralized with caustic soda
- Limit of harmfulness: LC 50 (fish): 7 – 14 g/l/ LC 50 (bacterium): 2,5 g/l



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13. DISPOSAL CONSIDERATIONS

- Elimination of products in big quantity by an agreed centre following the local prescriptions.
 - Dilute strongly the small quantities, then neutralize slowly and prudently with a basic solution (for instance with soda at 10%).
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14. TRANSPORT INFORMATIONS

- **Internal circulation (ADR/RID):**
N° ONU: 1830, N° of danger: 80, Rank: 8, Figure: 1 B
ONU 1830: Sulphuric acid
 - **Shipping intelligence (IMDG):**
N° ONU: 1830, Rank/Symbol danger: 8 - Packing group: II - Sea pollute: nothing
 - **Air intelligence (ICAO/IATA):**
N° ONU: 1830 - Rank: 8 - Packing group: II
-

15. REGULATIONS

- **Symbol: C Corrosive (sulphuric acid)**
R35: Provoke heavy burn
S26: In case of contact with eyes, immediately and abundantly clean with water. Consult a doctor
S30: Never pour water into this product.
 - **Declaration of Swiss Federal Office of Health /OFSP):**
Toxicity rank: 2
N°OFSP T 671042
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16. OTHER INFORMATIONS

- Above information's are updated conscientiously, but cannot give an absolute guarantee. Moreover, in no case the warranty of the product is appropriate to the given fact.
- Inquiries concerning the laws, regulations, classifications, prescriptions, etc...are referring clearly to Switzerland.
- It is the duty of product receiver to respect own national laws and prescriptions, as well as manipulation, use and product elimination.
- The given facts are not specifications of product.