

# MATERIAL SAFETY DATA SHEET

## TIPP-EX® SHAKE'N SQUEEZE CORRECTION PEN

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Version : 3

Date : 17/7/2007

Supersedes : 16/3/2006

**BIC**

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : TIPP-EX® SHAKE'N SQUEEZE CORRECTION PEN  
Recommended uses : Correction fluid  
SUPPLIER :  
Name : SOCIETE BIC  
Address : 14, Rue Jeanne d'Asnières  
92611 CLICHY Cédex  
FRANCE  
Telephone number : + 33 01 45 19 52 00  
Telefax number : +33 01 45 19 52 99  
EMERGENCY TELEPHONE NUMBER : ORFILA (France) : +33 01 45 42 59 59

### 2. HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS :

- \* Adverse human health effects : Vapours may cause drowsiness and dizziness.  
Irritating to skin
- Environmental effects : Toxic to aquatic organisms  
May cause long-term adverse effects in the aquatic environment
- Physical and chemical hazards :  
- Fire or explosion : Highly flammable liquid  
May form flammable/explosive vapour-air mixtures
- Classification of the product : According to European regulations, this product is classified as :  
- HIGHLY FLAMMABLE  
- IRRITANT  
- DANGEROUS FOR THE ENVIRONMENT

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURE :

- \* Chemical nature : Mixture of solvents and titanium dioxide
- \* Hazardous constituents :

Substance name	Contents	CAS No / EC No / Index No	Symbol(s)	R-Phrase(s)
<u>Titanium dioxide</u>	: < 50 %	13463-67-7 / 236-675-5 / -----		
<u>Naphtha (petroleum), hydrotreated light</u>	: < 30 %	64742-49-0 / 265-151-9 / 649-328-00-1	F Xn N	11-38-51/53-65-67
<u>Naphtha (petroleum), light alkylate</u>	: < 30 %	64741-66-8 / 265-068-8 / 649-276-00-X	F Xn N	11-65-66-51/53

### 4. FIRST AID MEASURES

- Inhalation : Move the affected person away from the contaminated area and into the fresh air  
If the person feels unwell :  
Call a doctor
- Skin contact : Wash immediately with plenty of soap and water  
In case of redness or irritation, consult a doctor
- Eye contact : Immediately rinse with water for a prolonged period while holding the eyes wide open  
If irritation persists, consult an eye specialist
- Ingestion : Never attempt to induce vomiting  
Consult a doctor

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### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Foam  
Powders  
Carbon dioxide (CO<sub>2</sub>)
- \* Specific hazards : The vapours are denser than air and may travel along the ground. Distance ignition possible.  
On heating or during combustion :  
Toxic vapors may be released
- Specific fire fighting methods : Clear the danger area  
Cool down the containers/equipment exposed to heat with a water spray  
Contain the extinguishing fluids by bunding (the product is hazardous for the environment)  
Do not attempt to fight the fire without suitable protective equipment
- \* Protection of fire-fighters : Self-contained breathing apparatus  
Standard protection

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Avoid contact with skin and eyes  
Do not breathe vapours  
No flames, no sparks. Eliminate all sources of ignition.  
Do not smoke  
Protective equipment :  
- full protective clothing and equipment  
- respiratory protective device  
In case of important spillage :  
Mark out the contaminated area with signs and prevent access to unauthorized personnel  
Stop the leak as quickly as possible (using non-sparking tools)  
Prevent the product from entering drains (risk of explosion)  
Ventilate spillage area
- Environmental precautions : Contain the spilled material by bunding (product is hazardous for the environment)  
Do not discharge into drains and rivers
- Methods for cleaning up :
- Recovery : Recover the product by mechanical means.
  - Neutralization : Absorb non-recoverable liquid with:
    - inert absorbent material
    - earth or sand
  - Disposal : Dispose of contaminated materials in accordance with current regulations

### 7. HANDLING AND STORAGE

#### HANDLING

- Technical measures : Vapour extraction at source  
Use NON-sparking tools
- Precautions : Avoid contact with skin and eyes  
Avoid the build-up of electrostatic charge  
Smoking is forbidden  
Do not overheat the product.

#### STORAGE

- Technical measures : The floor of the depot must be impermeable, non-combustible and designed to form a basin, in order that stored flammable liquids should not, under any circumstances, be released outside
- Storage conditions :
- Recommended : Store :
    - in a cool and dry area
    - in a well-ventilated area
    - the container tightly closed
    - away from any source of ignition
    - away from heat.

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### 7. HANDLING AND STORAGE (continued)

- \* Incompatible materials :
  - away from any flames
  - Strong oxidizing agents
  - Oxidizing materials
- Packaging materials :
  - Recommended : Original packaging

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures :
  - Ensure good ventilation of the work station
  - Extraction to remove vapours at their source
- Occupational exposure limits :
  - \* - France :
    - Titanium dioxide :
    - VME : 10 mg/m<sup>3</sup> (Ti)
    - Hydrocarbons C6 - C12 :
    - VME : 1000 mg/m<sup>3</sup>
    - VLE : 1500 mg/m<sup>3</sup>
- Personal protective equipment :
  - \* - Respiratory protection :
    - If vapour is released:
    - Aerosol filter type A
  - \* - Hand protection :
    - Impermeable protective gloves
    - The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374
    - Breakthrough time : refer to the recommendations of the supplier
  - \* - Eye protection :
    - Safety spectacles
- Hygiene measures :
  - Do not drink, eat or smoke in the workplace
  - Always wash your hands after handling the product

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Liquid
- Colour : white
- Odour : solvent.
- pH : Not applicable
- Specific temperatures :
  - Boiling : 95-114 °C (760 mmHg)
- Flammability characteristics :
  - Flash point : -8.3 °C - +2.7 °C
- Explosive limits in air :
  - Lower : 1.7 % (volume)
  - Upper : 12.3 % (volume)
- Vapour pressure : 26-49 mmHg (20 °C)
- Specific gravity : 1.25 g/cm<sup>3</sup> (25 °C)
- Solubility :
  - in water : Practically insoluble. (0.1 g/l)
- Kinematic viscosity : > 60 mm<sup>2</sup>/s (40 °C)
- Volatile component : 0.89 - 1.08 %

### 10. STABILITY AND REACTIVITY

- Stability : Stable at ambient temperature and under normal conditions of use
- Hazardous reactions :
  - Conditions to avoid : Heat, sparks, open flames, ignition source
  - Materials to avoid :
    - strong oxidizing agents
    - strong reducing agents

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### 10. STABILITY AND REACTIVITY

**(continued)**

- Hazardous decomposition products : On combustion or on thermal decomposition (pyrolysis) releases :  
Carbon oxides (CO, CO<sub>2</sub>)  
Various hydrocarbon fragments

### 11. TOXICOLOGICAL INFORMATION

- \* Acute toxicity : Vapours may cause drowsiness and dizziness  
Naphtha (petroleum), light alkylate :  
LC 50 inhalation / 4h (rat) : > 5.04 ppm  
LD 50 oral (rat) : > 7000 mg/kg  
LD 50 skin (Rabbit) : > 2000 mg/kg  
Naphtha (petroleum), hydrotreated light :  
LC 50 inhalation / 6h (rat) : > 12 mg/l  
LD 50 oral (rat) : > 5000 mg/kg  
LD 50 skin (Rabbit) : 3160 mg/kg  
(published data)
- Local effects : Irritating to the skin
- Specific effects :
- \* - Carcinogenicity : Titanium dioxide is listed as being potentially carcinogenic (group 2B) by the CIRC, based on studies on animals  
However, studies on human epidemiology do not suggest links between the occupational exposure to titanium dioxide and the risk of cancer

### 12. ECOLOGICAL INFORMATION

#### ECOTOXICITY :

- \* Effects on the aquatic environment : Toxic to aquatic organisms  
May cause long-term adverse effects to the aquatic environment.  
Naphtha (petroleum), light alkylate :  
LC 50 (Fish : Pimephales promelas) / 96 h : 8.3 mg/l  
Naphtha (petroleum), hydrotreated light :  
EC 50 (crustacean) / 96 h : 2.6 mg/l  
(published data)

### 13. DISPOSAL CONSIDERATIONS

#### WASTE FROM PRODUCT :

- Prohibition : Discharging waste into rivers and drains is prohibited  
Destruction/Disposal : Dispose of in accordance with relevant local regulations

#### CONTAMINATED PACKAGING :

- Destruction/disposal : Destroy at an authorised site

NOTE : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal

### 14. TRANSPORT INFORMATION

#### INTERNATIONAL REGULATIONS :

- UN No. 1993
- Land transportation :
- \* - Rail/road (RID/ADR) : Class : 3  
Classification code : F1  
Packing group : II  
Hazard identification number : 33  
Labelling : 3  
Description : FLAMMABLE LIQUID N.O.S. ( Naphtha (petroleum), light alkylate & Naphtha (petroleum), hydrotreated light )
- Sea (IMO/IMDG) : Class : 3  
Packing group : II

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#### 14. TRANSPORT INFORMATION (continued)

Air (ICAO-IATA) :

Emergency schedule (EmS) : F-E, S-E  
Description : FLAMMABLE LIQUID N.O.S.  
Labelling : 3  
Class : 3  
Packing group : II  
Labelling : Flammable liquid  
Description : FLAMMABLE LIQUID  
Passenger aircraft :  
Packing instruction : 305  
Quantity : 5 L  
Cargo aircraft :  
Packing instruction : 307  
Quantity : 60 L

NOTE :

The above regulatory prescriptions are those valid on the date of publication of this sheet  
Given the possible evolution of transport regulations for hazardous materials, in case the present sheet is dating back to more than 12 months ago, it would be advisable to check their validity with your commercial agency

#### 15. REGULATORY INFORMATION

EC LABELLING :

- Symbols and indications of danger :



- HIGHLY FLAMMABLE (F)  
- IRRITANT (Xi)  
- DANGEROUS FOR THE ENVIRONMENT (N)

\* - R phrases :

R11 : Highly 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.

- S phrases :

S2 : Keep out of the reach of children.  
S16 : Keep away from sources of ignition - No smoking.  
S24 : Avoid contact with skin.  
S29 : Do not empty into drains.  
S46 : If swallowed seek medical advice immediately and show this container or label.  
S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

- Further data :

Reduced labelling allowed for small packaging (< 125 ml)

FURTHER REGULATIONS :

National prescriptions :

France :

Occupational diseases (table(s) n° 84)

The regulatory information given above only indicate the principal regulations specifically applicable to the product described in the MSDS The user's attention is drawn to the possible existence of additional provisions which complete these regulations Refer to all applicable international, national and local regulations or provisions

#### 16. OTHER INFORMATION

Restrictions on use :

This product must not be used for other applications that mentioned in §1.

\* R phrases text of §2 & 3 :

R11 : Highly flammable.  
R38 : Irritating to 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.

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## 16. OTHER INFORMATION

(continued)

	R66 : Repeated exposure may cause skin dryness or cracking. R67 : Vapours may cause drowsiness and dizziness.
* Bibliography references :	European Chemicals Bureau (ECB) INRS (Institut National de Recherche et de Sécurité) IUCLID (International Uniform Chemical Information Data Base) RTECS (Registry of Toxic effects of Chemical Substances) MSDS of suppliers
* Update :	This sheet was updated (refer to the date at the top of this page) Texts which have been modified since the previous version are marked with an asterisk (*)
Safety data sheet established by :	LISAM SERVICES - TELEGIS 6 rue des Boucheries F-60400 NOYON www.telegis.com

This sheet complements the technical sheets but does not replace them. The information given is based on our knowledge of the product, at the time of publication. It is given in good faith.  
Besides, the attention of the user is drawn to the possible risk incurred by using the product for any other use than that for which it was intended.

In no way does this exempt the user from knowing and applying all the regulations controlling his activity. He alone will take on the responsibility for taking the precautions involved by the use of the product.

The aim of all the mandatory regulations mentioned is just to help the user to fulfil his obligations regarding the use of hazardous products.

This information must not be considered exhaustive. It does not exempt the user from ensuring that other obligations than those mentioned could apply, related to the storage and use of the product, this being his sole responsibility.

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