

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME : LIQUID PREPARATION FOR : TIPP-EX RAPID CORRECTION FLUID

SUPPLIER : SOCIETE BIC
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances classified as dangerous by european directive 67/548/EEC and amendments :

INGREDIENT NAME :	CAS No.:	CONTENT	RISK :
Aliphatic isoparaffinic hydrocarbon	64741-66-8	5 to 25 %	R 11, R 65
Aliphatic hydrocarbon	64742-49-0	20 to 35 %	R 11, R 65, R50/R53, R67

Benzene content is less than 0.1 % : R 45 is not applicable.

See note H and note P, note 4 and note 6 of european directive 98/98/EC.

3. HAZARDS IDENTIFICATION

R 11 Highly flammable.

4. FIRST AID MEASURES

GENERAL : Summary of first aid is as follows :

INHALATION : Remove victim immediately from source of exposure. Get medical attention. Perform artificial respiration if breathing has stopped.

INGESTION : DO NOT induce vomiting. Get medical attention immediately.

SKIN : Wash skin thoroughly with soap and water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

EYES : Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA :
Foam. Dry chemicals. Carbon dioxide (CO2).

SPECIAL FIRE FIGHTING PROCEDURES :

Evacuate area of unnecessary personnel. Use approved self-contained breathing apparatus and other protective equipment and/or garments if conditions warrant. Water fog or spray may be used to cool exposed equipment and containers. Do not spray water directly on fire, product will float and could be reignited on surface of water.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS IN SPILL :

Bulk releases are not anticipated under normal conditions.

PRECAUTIONS TO PROTECT ENVIRONMENT :

None known. Treat as a highly flammable liquid.

SPILL CLEAN-UP METHODS :

Contain and absorb liquid. Residues may be cleaned with terpene based solvents.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS :

Keep away from heat, sparks and open flame.

STORAGE PRECAUTIONS :

Keep in cool, dry, ventilated storage and closed containers. Keep away from heat, sparks and open flame.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS :

Europe : average exposure value (8 h) : n-heptane : 500 ppm

France : average exposure value , VME (8 h) : n-heptane : 400 ppm, methylcyclohexane : 400 ppm

Germany : MAK value 1999 : n-heptane : 500 ppm, methylcyclohexane : 500 ppm

US ACGIH : TLV-TWA : n-heptane : 400 ppm, methylcyclohexane : 400 ppm

TLV-STEL : n-heptane : 500 ppm

US OSHA : TLV-TWA : n-heptane : 400 ppm, methylcyclohexane : 400 ppm

TLV-STEL : n-heptane : 500 ppm

OTHER PROTECTION :

Under normal conditions of use specific protection is not needed.

HYGIENIC WORK PRACTICES :

Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :	Liquid	
COLOUR :	Varying	
ODOUR/TASTE :	Petroleum	
SOLUBILITY DESCRIPTION :	0.1 g / litre : practically insoluble in water	
BOILING POINT :	95-114°C	pressure: 760 mmHg
DENSITY/SPECIFIC GRAVITY (g/ml) :	1.25	temperature : 25°C
VAPOUR PRESSURE (mmHg) :	26-49	temperature : 20°C
EVAPORATION RATE :	0.89 – 1.08, volatile components	
FLASH POINT (°C) :	-8°C to + 2.7°C	shCCsetaflash closed cup
FLAMMABILITY LIMIT - LOWER (%) :	1.7	
FLAMMABILITY LIMIT - UPPER (%) :	12.3	
VISCOSITY	>60 mm ² /sec	at 40 °C
FLOW TIME	> 30 sec	3 mm ISO cup

10. STABILITY AND REACTIVITY

STABILITY :

Normally stable

CONDITIONS TO AVOID :

Avoid heat, flames and other sources of ignition.

HAZARDOUS POLYMERIZATION :

Will not polymerize.

MATERIALS TO AVOID :

Strong oxidizing agents. Strong reducing agents.

HAZARDOUS DECOMP. PRODUCTS :

Carbon oxides and various hydrocarbons formed when burned.

11. TOXICOLOGICAL INFORMATION

EYE :

Not a primary eye irritant per the FHSA.

SKIN :

Not a primary skin irritant according to definition given in european directive 98/98/EC, Annex 4, section 3.2.6.1. Tests conducted according to FHSA 16 CFR Chapter IIC Paragraph 1500.41.

INHALATION :

Not hazardous under normal conditions of use.

INGESTION :

Not harmful R 65 according to definition given in european directive 98/98/EC, Annex 4, section 3.2.3.

ROUTE OF ENTRY :

Inhalation. Ingestion. Skin and/or eye contact.

12. ECOTOXICOLOGICAL INFORMATION

Not known.

13. DISPOSAL CONSIDERATIONS

PACKAGING DISPOSAL METHODS :

Dispose of in accordance with Local Authority requirements.

PREPARATION DISPOSAL METHODS :

Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION

LABEL FOR CONVEYANCE :**ADR ROAD TRANSPORT :****UN No. ROAD :** 1993**ADR CLASS No. :** Class 3**ADR CLASS :** 3**HAZARD No. (ADR) :** 33 Highly flammable liquid (flash-point below 23°C).**PROPER SHIPPING NAME :** FLAMMABLE LIQUID, n.o.s., Class 3, 3^b, in limited quantities**IMDG SEA TRANSPORT :****UN No. SEA :** 1993**IMDG CLASS :** 3.2**MARINE POLLUTANT :** N/A.**PROPER SHIPPING NAME :** FLAMMABLE LIQUID, n.o.s., in limited quantities

IATA AIR TRANSPORT :

UN No., AIR : 1993
ICAO CLASS : 3
AIR PACK GR. : II
PROPER SHIPPING NAME : FLAMMABLE LIQUID, n.o.s.,

15. REGULATORY INFORMATION

LABEL FOR SUPPLY :

SYMBOL AND INDICATION OF DANGER : F, Highly flammable.

RISK PHRASES : R-11 Highly flammable.

SAFETY PHRASES : S-2 Keep out of the reach of children.
S-16 Keep away from sources of ignition - No Smoking.
Do not swallow or inhale. Contains aliphatic solvents.

EU DIRECTIVES : Dangerous Substances Directive 67/548/EEC as amended.
General Preparations Directive 88/379/EEC

16. OTHER INFORMATION

INFORMATION SOURCES : Material Safety Data Sheets, Misc. suppliers.

The information contained herein is believed to be correct and corresponds to the latest state of scientific and technical knowledge. However, no warranty is made, either express or implied, regarding its accuracy or the results obtained from the use of such information.

The user is responsible for taking the necessary measures to meet the requirements of laws and regulations in force.