

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Trade name

Havana Coloring Paste GM Solvent

1.2. Application of the substance/ the preparation

Staining masses of solvent-based adhesive

1.3. Manufacturer/Supplier

GI-EMME S.r.l. Via C. Battisti, 561 - 45010 – Ceregnano – Rovigo – ITALIA

Telefono: 0425-476327

Fax: 0425-479335

e-mail: gi_emmesrl@alice.it

1.4. Emergency phone

Telefono: 0425-476327

2. HAZARDS IDENTIFICATION

2.1. HAZARDS DESCRIPTION

2.2 Information concerning particular hazards for human and environment:

H225: Highly flammable liquid and vapour

H304: It may be fatal if swallowed and enters airways

H315: Causes serious eye irritation

H336: May cause drowsiness

H361: Suspected of damaging the unborn child

H373: May cause damage to organs in the event of prolonged or repeated exposure

2.3 Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Chemical description:

Solvent mixture with resins and additives

SUBSTANCE	CONCENTRATION	N° CAS	N° EINECS	CLASSIFICATION
Toluolo (Metilbenzene C7H8)	10% <c<30%	108-88-3	203-625-9	F R11- Xn R48/20-65 Xi R38 R65

4. FIRST AID MEASURES

4.1. After skin contact

Symptoms: irritation, until dermatosis: prolonged or repeated contact of product with skin may cause irritation. If contact is recommended to wash thoroughly for at least 10-15 'of water and soap, remove contaminated clothing including shoes and wash before use. Tell your doctor.

4.2. After eyes contact

Symptoms: pain and irritation to mucous membranes eyes: Rinse thoroughly with water to at least 15 'and up to the disappearance of burning or irritation does not cancel seek medical attention.

4.3. After swallowing

Symptoms: abdominal pain, nausea, diarrhea, signs of systemic intoxication: in case of accidental ingestion is recommended to rinse mouth immediately with plenty of water without swallowing. Do not induce vomiting to avoid the risk of aspiration of product into the trachea. Keep subject at rest have employed carbon absorbent suspended in water, remove the substance by gastric lavage. Call a doctor showing the MSDS.

4.4. After inalation

Symptoms: mental confusion, exhilaration, nausea, headache, fatigue, impaired coordination, hallucinations, loss of consciousness, in severe cases make blurred vision, tremors, shallow respiration, ventricular arrhythmias, convulsions. Move the affected person from the contaminated area while protecting the airway, take it in a ventilated area, call a physician immediately. If breathing has stopped, subjected to artificial respiration.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing agents:

CO₂, sand, extinguishing powder. Do not use water.

5.2 For safety reasons unsuitable extinguishing agents:

Water.
Water with full jet.

5.3 Protective equipment:

Do not inhale explosion gases or combustion gases.

6. ACCIDENTAL RELEASE MEASURES

6.1 Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

6.2 Measures for environmental protection:

Prevent seepage into sewage system, workpits and cellar.
Do not allow to enter sewers/ surface or ground water.

6.3 Measures for clearing/ collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents.

7. HANDLING AND STORAGE

7.1 Handling:

- Information for safe handling:

Store in cool, dry place in tightly closed receptacle.
Ensure good ventilation/ exhaustion at the workplace.

- Information about fire – and explosion protection:

Keep ignition sources away – do not smoke.
Protect against electrostatic charges.

7.2 Storage:

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Ingredients with limit values that require monitoring at the workplace:

Substance	TLV / TWA 8h (ACGIH)
Toluolo (Metilbenzene C7H8)	188 mg/ m ³

8.2 Additional information:

The lists valid during the making were used as basis

8.2. Personal protective equipment:

General Protective and hygienic measures:

Wash hands before breaks and at the end of the work.

Respiratory protection:

NOT required.

Protection of hands:

Protective gloves. The selection of the suitable gloves does not only depend on yhe material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation on of several substances, the resistance of the glove material can not be calculated in advance and has the before to be checked prior to the application.

Eye protection:

Tightly sealed goggles.

9. PROPRIETA' FISICHE E CHIMICHE

Form	Viscous paste
Color	Havana
Odour	Carachteristic
pH	n.a.
Conductivity (in mS)	n.a.
Boiling point / Boiling range (in ° C)	110.6 a 10135 PA
Flash point (in ° C)	> 4° C (closed vessel)
Melting point/ Melting range (in ° C)	n.a.
Ignition temperature	n.a.
Density	1.7 +/- 0,1 g/cm ³
Vapour Pressure (aria=1)	1559 mghg
Evaporation tax	< 1
Explosion minimal limit	n.a.
Explosion maximun limit	n.a.
Viscosity at 20°	14.000 – 18.000
Solubility in water	Not soluble
Solubility in solvent	Soluble

n.a = Not applicable

n.d. = Non determinated

10. STABILITY AND REACTIVITY

10.1. Thermal decomposition/ conditions to be avoided

Not decomposition if used according to specifications.

10.2. Dangerous reaction:

No dangerous reactions known.

10.3. Dangerous decomposition material

In case of fire, vapors may be harmful (see Section 5).

11. TOXICOLOGICAL INFORMATION

11.1. Acute toxicity

11.1.1. Oral ingestion

LD₅₀ (Rat) > 10.000 mg/Kg

11.1.2. Inalation

LC₅₀ (Rat 4 hours) > 6 mg/Lt

11.1.3. Skin contact

LD₅₀ (Rat) > 10.000 mg/Kg

11.1.4. Corrosivity/Irritation

People with sensitive skin may experience irritation due to prolonged and repeated. Contact with eyes causes irritation.

11.2. Delayed and chronic

11.2.1. Sensitizing effect

n.d.

11.2.2. Carcinogenic effect

n.d.

11.2.3. Mutagenic effect

n.d.

11.2.4. Toxic effect for reproduction

n.d.

11.2.1. Narcotic effect

n.d.

12. ECOLOGICAL INFORMATION

12.1. Do not release to the environment and natural waters. Follow the rules.

12.2. Use according to good practices and avoid littering.

13. DISPOSAL CONSIDERATIONS

13.1 Product:

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

13.2 Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations

14. TRANSPORT INFORMATION

14.1 General Information – N° ONU: 1263

14.2 Land transport ADR/RID (ADR/RID) - class: 3,3^b



14.3 Maritime transport (I.M.O.) - classificazione: 3.2 - I.M.D.G. cod. pag.: 3285



14.4 Air transport ICAO-TI and IATA-DGR (IATA) -codice IATA: 3



15. REGULATORY INFORMATION

Labelling according to EU guidelines:

The products has been classified and marked in accordance with EU Directives Ordinance on Hazardous Materials.

Code letter and hazard designation of product:



F – Highly Flammable



Xn - Harmful



Xi - Irritating

H225: Highly flammable liquid and vapour

H304: It may be fatal if swallowed and enters airways

H315: Causes serious eye irritation

H336: May cause drowsiness

H361. Suspected of damaging the unborn child

H373: May cause damage to organs in the event of prolonged or repeated exposure

Risk phrases:

Safety Phrases:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep the container well closed.

P235: Keep in cool

P262: Avoid contact with eyes, skin or clothing.

P304+P340: In case of inhalation transported the victim to fresh air and keep at rest in a position comfortable for breathing.

(Classificazione di legge)

D.P.R. 303/56 (Controlli sanitari): voce 33 per addetti alle lavorazioni tabellate.

D.P.R. 482/75 e succ. modifiche (Assicurazione obbligatoria): malattie da idrocarburi aromatici.

Where applicable, refer to the following standards:

D.P.R. 547/55 ; D.P.R. 175/88 ; D.P.R. 203/88; D.Lvo. 277/91; D.Lvo. 626/94 e D.Lgs.vo 25/2002 ;
D.L. 242/96.

The safety data sheet is available upon request for users of the preparation.

BIBLIOGRAFY

Directive 1999/45/EC as amended
Directive 67/548/EEC and its amendments and adjustments
Directive 91/155/EEC as amended
The Merck Index. Ed 10
Handling Chemical Safety
NIOSH - Registry of Toxic Effects of Chemical Substance
INRS - Fiche toxicologique
Patty - Industrial Hygiene and Toxicology

16. OTHER INFORMATION

This safety data sheet has been prepared in accordance with Directive 2001/58/EC

The information contained in this safety data refer to this preparation and are based on specific knowledge available from us at the date of revision of the card.

The news reports describe the preparation in regard to the necessary security measures and should not be interpreted as an absolute guarantee of the properties of the preparation.

Users have the responsibility to establish the suitability, adequacy and completeness of the information of the intended use of the preparation and the requirements of mandatory law.

We take no responsibility for misuse of the preparation.