

Material Safety data sheet

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

- 1.1 Product identifier
- Trade name **Ecomet Solvent 2755UT**
- Article number: **2755UT**
- 1.2 Product category Coatings and paints, thinners, paint removers
- Application of the substance / the mixture Coating
- 1.3 Details of the supplier

Effco Finishes & Technologies Pvt Ltd
Thirumal Ind estate, Hinjewadi Phase II
Pune-411057

Tel.: +91 9967060596

- 1.4 Emergency telephone number:
Tel.: +91 9850784185/9967060596
email: kunal@effcoindia.com,
warat@effcoindia.com

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

(Contd. on page 2)

Material Safety data sheet

(Contd. of page 1)

STOT SE 3 H336 May cause drowsiness or dizziness.

· 2.2 Label elements

· Labelling according to Regulation

The product is classified and labelled according to the CLP regulation.

· Hazard-determining components of labelling:

Solvent naphtha (petroleum), heavy arom.

Xylene

· Hazard statements

H226 Flammable liquid and vapour.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

Repeated exposure may cause skin dryness or cracking.

· 2.3 Other hazards Product is not explosive. However, formation of explosive steam/air mixtures is possible.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· Description: Mixture consisting of the following components with harmless additives.

· Dangerous components:

CAS: 64742-94-5	Solvent naphtha (petroleum), heavy arom.	70 - 85%
CAS: 95-47-6	Xylene	20-25%

Material Safety data sheet

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information**
 Personal protection for the First Aider.
 Do not leave affected persons unsupervised.
 Take affected persons out of danger area and instruct to lie down.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
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- **After skin contact**
 Instantly wash with water and soap and rinse thoroughly.
 Instantly rinse with water.
- **After eye contact**
 Rinse opened eye for several minutes under running water. Then consult doctor.
 Protect unharmed eye.
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- **After swallowing** Rinse out mouth and then drink plenty of water.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
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- **Suitable extinguishing agents**
 CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
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- **5.2 Special hazards arising from the substance or mixture**
 Can be released in case of fire
 Nitrogen oxides (NO_x)
 Carbon monoxide (CO)
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- **5.3 Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 Ensure adequate ventilation
 Keep away from ignition sources
 Wear protective clothing.
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- **6.2 Environmental precautions:**
 Do not allow product to reach sewage system or water bodies.
 Prevent material from reaching sewage system, holes and cellars.
 Inform respective authorities in case product reaches water or sewage system.
 Keep dirty washing water for appropriate disposal.
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- **6.3 Methods and material for containment and cleaning up:**
 Dispose of contaminated material as waste according to item 13.
 Ensure adequate ventilation.

(Contd. on page 4)

GB

Material Safety data sheet

(Contd. of page 3)

See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep containers tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class**
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SECTION 8: Exposure controls/personal protection

· 8.1 Control Measures/Parameters

- **Components with critical values that require monitoring at the workplace:**

95-47-6 Xylene

TWA	100 ppm
STEL	150 ppm

64742-94-5 Aromatic Naptha

TWA	100 mg/m ³
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- **Engineering Measures :** Ensure that eyewash station and safety showers are close to the work place.

8.2 Personal Protection

Eye/Face Protection : Wear appropriate protective eye glasses or chemical safety goggles as described by OSHA's eye and face protection regulations.

- **Skin & Body protection:** Long sleeved clothing.

Respiratory protection : Follow the OSHA's respiratory regulations or European standard EN 149.

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Material Safety data sheet

(Contd. of page 4)

· **Breathing equipment:**

Use breathing protection in case of insufficient ventilation.

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.



Filter A/P2.

· **Protection of hands:**



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

To avoid skin problems reduce the wearing of gloves to the required minimum.

Avoid direct contact with the chemical/ the product/ the preparation by organizational measures.

· **Material of gloves**

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

Butyl rubber, BR

Fluorocarbon rubber (Viton)

· **Eye protection:**



Tightly sealed safety glasses.

Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Liquid

Colour:

Colourless

· **Smell:**

Aromatic

· **Odour threshold:**

Not determined.

· **pH-value:**

Not applicable

· **Change in condition**

Melting point/freezing point:

Not determined

Initial boiling point and boiling range: 140°C

(Contd. on page 6)

Material Safety data sheet

(Contd. of page 5)

· Flash point:	35°C
· Inflammability (solid, gaseous)	Not applicable.
· Ignition temperature:	> 400 degree Celsius
· Decomposition temperature:	Not determined
· Self-inflammability:	Product is not self igniting.
· Explosive properties:	Product is not explosive. However, formation of explosive steam/air mixtures is possible.
· Critical values for explosion:	
Lower:	0.9 Vol %
Upper:	7.0 Vol %
· Oxidising properties	None
· Vapor pressure at 20°C:	0.3 kpa
· Density at 20°C	0.9 g/cm ³ ((EC)440/2008, Annex A.3)
· Relative density	Not determined.
· Vapour density	Not determined
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible
· Partition coefficient: n-octanol/water:	Not determined
· Viscosity:	
kinematic:	Not determined.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability:** **Stable under normal condition.**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** None

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data,

· LD/LC50 values that are relevant for classification:

64742-94-5 Solvent naphtha (petroleum), heavy arom.

Oral	LD50	>2,000 mg/kg (Muroidea)
Dermal	LD50	>2,000 mg/kg (Muroidea)

95-47-6 Xylene

Oral	LD50	3608 mg/kg (Rat)
Dermal	LD50	14100 mg/kg (Rabbit)

(Contd. on page 7)

Material Safety data sheet

(Contd. of page 6)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause drowsiness or dizziness.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

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SECTION 12: Ecological information

- **Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.**

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

- **Ecotoxical effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:** Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to disposers of hazardous waste.

(Contd. on page 8)

GB

Material Safety data sheet

(Contd. of page 7)

· European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
HP 3	Flammable
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 14	Ecotoxic

· **Recommendation:** Disposal must be made according to local official regulations.

SECTION 14: Transport information

· 14.1 UN-Number : UN1263

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· 14.2 UN proper shipping name

· ADR/RID	PAINT RELATED MATERIAL, ENVIRONMENTALLY HAZARDOUS
· IMDG	PAINT RELATED MATERIAL (Solvent Naphtha, NAPHTHALENE, CRUDE), MARINE POLLUTANT
· IATA	PAINT RELATED MATERIAL

· 14.3 Transport hazard class(es)

· ADR/RID



· Class	3 (F1) Flammable liquids.
· Label	3

· IMDG



· Class	3 Flammable liquids.
· Label	3

· IATA



· Class	3 Flammable liquids.
· Label	3

· 14.4 Packing group : III

(Contd. on page 9)

Material Safety data sheet

(Contd. of page 8)

· **14.5 Environmental hazards:**

Product contains environmentally hazardous substances:

· **Marine pollutant:**

Solvent Naphtha, Xylene

· **Special marking (ADR/RID):**

Symbol (fish and tree)

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Flammable liquids.

· **UN "Model Regulation":**

UN 1263 PAINT RELATED MATERIAL, 3 , III, ENVIRONMENTALLY HAZARDOUS

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SECTION 15: Regulatory information

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

· **Named dangerous substances – Harmful /Xn**

· **Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **National regulations**

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

· **REACH Anhang/Annex XIV**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H226 Flammable liquid and vapour.

H228 Flammable solid.

H302 Harmful if swallowed.

(Contd. on page 10)

Material Safety data sheet

(Contd. of page 9)

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

· Training hints

The product should be handled only by persons who have been sufficiently informed about the work, the hazardous properties and necessary safety precautions.