

GHS SAFETY DATA SHEET

EFFAST TITE'N FAST

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Rev. FEB 2020

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EFFAST TITE'N FAST
PRODUCT CODE: TITE_500 (485 ml)
PRODUCT USE: Solvent Cement for PVC Plastic Pipe Polypipe Italia
SUPPLIER: Polypipe Italia
 Località Pianmercato 5C-5D-5H
 16044 Cicagna, Genova-Italia
[Tel:039018592299](tel:039018592299) – email: info@effast.com – www.effast.com
EMERGENCY: CHEMTEL Tel. 800-255-3924 – Niguarda Hospital (Milan). 0266101029

SECTION 2 – HAZARD IDENTIFICATION

GHS Classification:

Health		Environmental		Physical	
Acute Toxicity:	Category 4	Acute Toxicity:	None known	Flammable Liquid:	Category 2
Skin irritation:	Category 3	Chronic Toxicity:	None known		
Serious Eye Irritation	Category 2A				
Carcinogenicity:	Category 2				

GHS Label:



Singal word: Danger

Hazard Statements	Precautionary Statements
H225: Highly flammable liquid and vapor H302: Harmful if swallowed H315: Causes skin irritation H319: Causes serious eye irritation H332: Harmful if inhaled H335: May cause respiratory irritation H336: May cause drowsiness or dizziness H351: Suspected of causing cancer	P201: Obtain special instructions before use P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking P233 + P403: Keep container tightly closed. Store in a well-ventilated place. P240 + P241: Ground/bond container and receiving equipment. Use explosion-proof equipment. P242 + P243: Use only non-sparking tools. Take precautionary measures against static discharge. P261: Avoid breathing dust/fume/gas/mist/vapors/spray P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves/protective clothing/eye protection/face protection. P501: Dispose of contents/ container to an approved waste disposal plant.
Response	
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/Medical Attention P331: Do NOT induce vomiting. P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].	P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+313: IF exposed or concerned: Get medical advice/attention.

Physical Hazards Not Otherwise Classified: Vapors may form explosive mixture with air.

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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

	CAS	EINECS	REACH Registration Number	Concentration % by weight
Tetrahydrofuran (THF)	109-99-9	203-726-8	01-2119444314-46-0000	40 - 65
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	01-2119457290-43-0000	15 - 35

SECTION 4 – FIRST AID MEASURES

Contact with eyes:	Flush eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.
Skin contact:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation develops, seek medical advice.
Inhalation:	Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.
Ingestion:	Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.
Unsuitable Extinguishing Media:	Water spray or stream.
Exposure Hazards:	Inhalation and dermal contact.
Combustion Products:	Oxides of carbon and smoke
Protection for Firefighters:	Self-contained breathing apparatus or full-face positive pressure airline masks.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:	Keep away from heat, sparks and open flame. Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment. Prevent contact with skin or eyes (see section 8).
Environmental Precautions:	Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.
Methods for Cleaning up:	Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.
Materials not to be used for clean up:	Aluminum or plastic containers.

SECTION 7 - HANDLING AND STORAGE

Handling:	Avoid breathing of vapor, avoid contact with eyes, skin and clothing. Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods. Do not eat, drink or smoke while handling.
Storage:	Store in ventilated room or shade below 44°C (110°F) and away from direct sunlight. Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates. Follow all precautionary information on container label, product bulletins and solvent cementing literature.

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SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

Exposure limit:	Threshold Limit Value 8 h	Threshold Limit Value 15 min	Permissible exposure limit 8 h	Permissible exposure limit 15 min
Component				
Tetrahydrofuran (THF)	50ppm	100ppm	200ppm	N/E
Methyl Ethyl Ketone (MEK)	200ppm	300ppm	200ppm	N/E

Engineering Controls: Use local exhaust as needed.

Monitoring: Maintain breathing zone airborne concentrations below exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Avoid contact with eyes, wear splash-proof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc. as may be appropriate for the exposure.

Skin Protection: Prevent contact with the skin as much as possible. Butyl rubber gloves should be used for frequent immersion. Use of solvent-resistant gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.

Respiratory Protection: Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above. With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory equipment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue, heavy syrupy liquid	Decomposition Temperature:	Not applicable
Odor:	Ketone	VOC Content:	When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: < 510 g/l.
pH:	Not applicable	Odor Threshold:	2-50 ppm (THF)
Melting/Freezing Point:	-108.5°C (-163.3°F) Based on first melting component: THF	Boiling Range:	56°C(133°F) at 80°C (176°F)
Boiling Point:	66°C (151°F) Based on first boiling component: THF	Evaporation Rate:	>1.0 (BuAc =1)
Flash Point:	-20°C (-4°F) TCC based on THF	Flammability:	Category 2
Specific Gravity:	0.925 @23°C (73°F)	Flammability Limits:	LEL: 1.8% based on THF UEL: 11.8% based on THF
Solubility:	Solvent portion soluble in water. Resin portion separates out.	Vapor Pressure:	129 mm Hg @ 20°C (68°F) based on THF
Partition Coefficient n-octanol/water:	Not Available	Vapor Density:	>2.0 (Ari=1)
Auto-ignition Temperature:	321°C (610°F) based on THF	Other Data: Viscosity:	Heavy bodied

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SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Normally stable.
Stability:	THF- Vapors may form explosive mixture with air.
Hazardous decomposition products:	None in normal use. When forced to burn, this product gives off oxides of carbon and smoke.
Conditions to avoid:	High temperatures. Open flames, sparks, static discharge, heat and other ignition sources.
Incompatible Materials:	Oxidizing agents (e.g. peroxides).

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation, Eye and Skin Contact
<u>Acute symptoms and effects:</u>	
Inhalation:	Irritating to respiratory system. Over exposure symptoms can include mucosal irritations, cough, shortness of breath, possible damage of respiratory tract.
Eye Contact:	Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.
Skin Contact:	Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.
Ingestion:	May cause nausea, vomiting, diarrhea and mental sluggishness.
Chronic (long-term) effects:	(THF) Category 2 Carcinogen (MEK) Low level chronic exposure has been shown to cause decreased memory and impairment of the central nervous system.
Health Hazards Not Otherwise Classified:	This material may cause defatting and irritation of skin (Dermatitis) upon prolonged or repeated contact.
Aspiration Hazard:	Not Applicable
Respiratory or Skin Sensitization:	Not Applicable

Toxicity:	LD ₅₀	LC ₅₀	Target Organs
Tetrahydrofuran (THF)	Oral: 2842 mg/kg (rat), Dermal: > 2,000 mg/kg (rabbit)	Inhalation 3 hrs. 21,000 mg/m ³ (rat)	STOT SE3
Methyl Ethyl Ketone (MEK)	Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)	Inhalation 8 hrs. 23,500 mg/m ³ (rat)	STOT SE3

Acute Toxicity	Category 4		
Methyl Ethyl Ketone (MEK)	Acute (Oral) Toxicity: None	Acute (Dermal) Toxicity: None	Acute (Inhalation) Toxicity: None

Specific Target Exposure Toxicity (Single Exposure): Category 3

Specific Target Exposure Toxicity (Repeated Exposure): Not applicable

Reproductive Effects:	Teratogenicity:	Mutagenicity:	Embryotoxicity:	Sensitization to Product	Synergistic Products:
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established
Carcinogenicity:	Tetrahydrofuran (THF): Category 2 "Suspected Human Carcinogen"				

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SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Acute Aquatic Toxicity:	Pimephales promelas (fathead minnow):	Daphnia magna (water flea):	Pseudokirchneriella subcapitata (microalgae):
Tetrahydrofuran (THF)	2160 mg/L	No Data Available	3,700 mg/l - 192 hour
Methyl Ethyl Ketone	>100 mg/L	>100 mg/L	2,029 mg/L – 96 hour

Mobility in Soil: If released into the environment, this product can move rapidly through the soil.

Degradability: Does not degrade rapidly based on quantitative tests. (Tetrahydrofuran)

Bioaccumulation: This product and its degradation products are not known to bioaccumulate.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Dispose of waste and containers in compliance with applicable Federal, State, Provincial, and Local regulations. Consult disposal expert..

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name	Flammable Liquid N.O.S (Tetrahydrofuran, Methyl Ethyl Ketone)
Hazard Class:	3
Secondary Risk:	None
Identification Number:	UN 1133
Packing Group:	II
Label Required:	Class 3 Flammable Liquid
Marine Pollutant:	NO

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information:	Highly Flammable, Irritant, Carc. Cat.
Symbols:	F, Xi
Risk Phrases:	H225: Highly flammable liquid and vapor H319: Causes serious eye irritation H336: May cause drowsiness or dizziness EUH 066: Repeated exposure may cause skin dryness or cracking.
Safety Phrases:	S2: Keep out of the reach of children S9: Keep container in a well-ventilated place.. S16: Keep away from sources of ignition - No smoking S25: Avoid contact with eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S33: Take precautionary measures against static discharges.
Compliance Statement:	This SDS was prepared to be in accordance with: European Regulation (EC) No (EU) 2015/830 on classification, labelling and packaging of substances and mixtures. Where applicable, refer to the following regulations: Presidential Decree 303/56 (Health checks). Ministerial circulars 46 and 61 (Aromatic amines). Law 136/83 (detergent biodegradability). Legislative Decree 17 August 1999 n. 334 (Seveso Bis Directive). Presidential Decree 250/89 (Detergent labeling).

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SECTION 16 - OTHER INFORMATION

Specification Information:

Department issuing data sheet:	Quality and Technical Dpt.
Training necessary:	Yes, training in practices and procedures contained in product literature.
Reissue date / reason for reissue:	20/12/2019 / Updated GHS Standard Format and UK Format
Intended Use of Product:	Solvent Cement for ABS Plastic Pipe

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

Acronyms:

LEL: lower explosive limit, **UEL:** upper explosive limit

STOT SE 3: Specific target organ toxicity - single exposure, Category 3

SCAQMD: South coast air quality management district