

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: PRODUCT IDENTIFICATION AND USE

Product Name: Adhesive Temporaire Polyvalent 505
Manufacturer: ODIF S.A.
Manufacturer's address: 104, rue E. Herriot, 69002 Lyon France
Telephone number for information: 04.78.55.07.43
Telephone number for emergencies: 04.78.55-07.43
Preparer: Raymond Traversa

SECTION 2: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Hazardous components</u>	<u>CAS Number</u>	<u>TLV</u>	<u>Other Limits</u>	<u>%</u>
<u>Optional</u>			<u>Recommended</u>	
Oxyde De Methyle	115-10-6		TWA: 1000 ppm V	
Butane/Propane	106-97-8		TWA: 800 ppm V	

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and odor:	Colorless and odorless.	Boiling Point:	-25°
C			
Melting point:	80°C	Vapor density (Air=1):	0.6
Specific gravity (H₂O = 1):	1	Solubility in water:	
	Negligible		
Evaporation rate (Butyl Acetate=1):	>1	Vapor Pressure (mm Hg):	20°C
6 bars			50°C
11.5 bars			

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash point (Method used): Active product 400°C. Propellant -41°C.
Flammable Limits: LEL: 3.4% vol. UEL: 18% vol.
Extinguishing Media: Carbon dioxide, powder.
Special Fire Fighting Procedures: Keep containers cool with pulverized water. Carry respirator because of numerous smokes. Avoid all ignition sources.
Unusual Fire and Explosion Hazards: At elevated temperatures (over 50°C = 120°F) containers may vent, rupture or burst.

SECTION 5: REACTIVITY DATA

Stability: Stable.
Conditions to avoid: Open flame.
Incompatibility, materials to avoid: Alkaline metals, earthy-alkaline metals salts in powder form. Al, Zo, Be containing more than 2% of magnesium.
Hazardous decomposition or Byproducts: Hydrogen halogenures, traces of carbonyl halogenures.
Hazardous Polymerization: Will not occur.
Conditions to avoid: Pressurized container. Protect it from sunrays and do not expose to a temperature higher than 50°C (120°F). Do not puncture it or burn it even after use. Do not spray on a flame or any incandescent object. Keep away from children.

SECTION 6: HEALTH HAZARD DATA

Routes of Entry: Inhalation and ingestion.
Health hazards (Acute and Chronic): NA
Signs and symptoms of exposure:
Inhalation: Concentrations at a higher TWA level may produce narcotic side effects. Inhalation of high concentration decomposition products might create

Ocular contact:	respiratory deficiency. Temporary irritation eyewash must be done quickly and extensively in asking the patient to keep his eyelids wide open carrying out an ocular rotation. Should the irritation persist then call an MD.
Skin contact:	Possible frostbite.
Medical conditions generally aggravated by exposure:	Long term toxicity: did not show any carcinogenic, teratogenic and mutagenic side effects during animal tests.
Chemical Listed as Carcinogen or Potential Carcinogen:	National Toxicology Program: ND IARC Monographs: ND OSHA Regulated: ND
Emergency and First Aid Procedures:	Call a physician.
Ingestion:	Do not induce vomiting to avoid inhaling hazard in respiratory tracts.
Inhalation:	In case of exposure to considerable concentrations of vapor, move victim to a source of fresh air. If respiratory difficulties: oxygenotherapy.
Ejection in eyes:	Flush immediately and plentifully with water.
Contact with skin:	If prolonged, make use of normal cream for hands. Frostbite: treat as a thermic burn.
Note to physician:	None

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:	Avoid breathing, avoid skin contact. Remove ignition sources. Soak up with absorbent inert material. Destruction in agreement center.
Waste Disposal Method:	Do not puncture or incinerate containers. Destruction in agreement center. Don't discharge in sewer nor natural middle. Discharge: conformity with regulation in use.
Precautions to be taken in handling and storing:	Do not store where temperatures could exceed 50°C (120°F).
Other precautions:	None

SECTION 8: CONTROL MEASURES

Respiratory protection (type):	None
Ventilation:	Local Exhaust: Preferred Mechanical (General: Should be on if spraying large amounts.
Protective gloves:	To avoid contact of liquid with skin, carry neoprene or rubber gloves.
Eye protection:	Safety glasses if ejection hazard.
Other protective clothing or equipment:	None
Work/Hygienic Practices:	No smoke.

NA - Not Applicable NE - Not Established UN - Unavailable ND - Not Determined