



# SAFETY DATA SHEET

## TANGIT ABS SPECIAL ADHESIVE

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

**PRODUCT NAME:** TANGIT ABS SPECIAL ADHESIVE  
**PART No.:** 44314, 417719  
**APPLICATIONS:** Adhesive for joining plastic pipes  
**SUPPLIER:** Henkel Consumer Adhesives  
Road 5, Winsford Industrial Estate  
Winsford  
Cheshire CW7 3QY  
Tel: 01606 593933  
Fax: 01606 863762

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME			CONTENT
<b>CAS No.:</b> BUTYL ACETATE 123-86-4	<b>EINECS Nr.:</b> 204-658-1	<b>CLASSIFICATION</b> - R-10, 66, 67	10-30 %
<b>BUTANONE</b> 78-93-3	201-159-0	Xi ,F R-11, 36, 66, 67	30-60 %

The Full Text for all R-Phrases are Displayed in Section 16

**COMPOSITION COMMENTS:** Solvent based adhesive

### 3. HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. In use, may form flammable/explosive vapour-air mixture.

### 4. FIRST AID MEASURES

**GENERAL:** Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

**INHALATION:** Move the exposed person to fresh air at once. NOTE! Keep affected person away from heat, sparks and flames! Get medical attention. Administer oxygen as quickly as possible.

<b>INGESTION:</b>	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Provide rest, warmth and fresh air. Rinse mouth thoroughly. Drink plenty of water. Get medical attention.
<b>SKIN:</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. Get medical attention if any discomfort continues.
<b>EYES:</b>	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. To hospital or eye specialist.

## 5. FIRE FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Use: Alcohol resistant foam. Water spray, fog or mist. Carbon dioxide (CO <sub>2</sub> ). Dry chemicals, sand, dolomite etc. DO NOT USE full water jet
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Use pressurized air mask if substance is involved in a fire. Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Be aware of danger for fire to re-start.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	Forms explosive mixtures with air.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Fire creates: Vapors/gases/fumes of: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Hydrogen chloride (HCl).

## 6. ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTION IN SPILL:</b>	Wear gloves. Respiratory protection required if exposure limits are exceeded.
<b>PRECAUTIONS TO PROTECT ENVIRONMENT:</b>	Do not allow to enter drainage system, surface or ground water.
<b>SPILL CLEANUP METHODS:</b>	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

## 7. HANDLING AND STORAGE

<b>USAGE PRECAUTIONS:</b>	Keep away from heat, sparks and open flame. No smoking. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
<b>STORAGE PRECAUTIONS:</b>	Keep in cool, dry, ventilated storage and closed containers. Keep away from heat, sparks and open flame. Do not store at temperatures below -5°C or above 35°C. Keep in original container. Keep separate from food, feedstuffs, fertilizers and other sensitive material.
<b>STORAGE CRITERIA:</b>	Flammable liquid storage.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>INGREDIENT NAME:</b>	<b>CAS No.:</b>	<b>STD</b>	<b>LT EXP 8 Hrs</b>	<b>ST EXP 15 Min</b>
BUTANONE	78-93-3	OES	200 ppm(Sk)	300 ppm(Sk)
BUTYL ACETATE	123-86-4	OES	150 ppm	200 ppm
<b>INGREDIENT COMMENTS:</b>	OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.			

**PROTECTIVE EQUIPMENT:**

<b>VENTILATION:</b>	Well ventilated area. Must not be handled in confined space without sufficient ventilation.
<b>RESPIRATORS:</b>	Respiratory protection must be used if air concentration exceeds acceptable level. In poorly ventilated areas, a cartridge mask approved for organic vapours is recommended.
<b>PROTECTIVE GLOVES:</b>	Use protective gloves. Use protective gloves made of: Nitrile. rubber. Butyl rubber.
<b>EYE PROTECTION:</b>	Wear splash-proof eye goggles to prevent any possibility of eye contact.
<b>OTHER PROTECTION:</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
<b>HYGIENIC WORK PRACTICES:</b>	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Viscous. Liquid.		
<b>COLOUR:</b>	Grey.		
<b>ODOUR/TASTE:</b>	Characteristic. Aromatic.		
<b>BOILING POINT (°C, interval):</b>	Initial 79	<b>Pressure:</b>	760mmHg
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	0.8 - 0.9	<b>Temperature (°C):</b>	20
<b>VAPOUR PRESSURE:</b>	96 (highest vapour partial pressure) mbar	<b>Temperature (°C):</b>	20
<b>VISCOSITY (interval):</b>	Drage/ Epprecht 1000 - 2000 mPas	<b>Temperature (°C):</b>	20
<b>SOLUBILITY DESCRIPTION:</b>	Slightly soluble in water.		
<b>FLASH POINT (°C):</b>	-1	<b>Method:</b>	CC (Closed cup).
<b>FLAMMABILITY LIMIT - LOWER(%):</b>	1.4% Vol (value given in the literature)		
<b>FLAMMABILITY LIMIT - UPPER(%):</b>	11.5% vol (value given in the literature)		

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Normally stable.
<b>CONDITIONS TO AVOID:</b>	Avoid heat, flames and other sources of ignition.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Hydrogen chloride (HCl).

## 11. TOXICOLOGICAL INFORMATION

<b>INHALATION:</b>	May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Drowsiness, dizziness, disorientation, vertigo. Unconsciousness.
<b>INGESTION:</b>	Severe abdominal pain. Sore throat. Nausea, vomiting. Diarrhoea. Drowsiness, dizziness, disorientation, vertigo.
<b>SKIN:</b>	Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
<b>EYES:</b>	May cause severe irritation to eyes. Visual disturbances, incl. blurred vision.

## 12. ECOLOGICAL INFORMATION

<b>ECOLOGICAL INFORMATION:</b>	Dangerous for the environment if discharged into watercourses.
<b>DEGRADABILITY:</b>	Not readily biodegradable

## 13. DISPOSAL CONSIDERATIONS

<b>DISPOSAL METHODS:</b>	Dispose of in accordance with Local Authority requirements. Do not allow runoff to sewer, waterway or ground.
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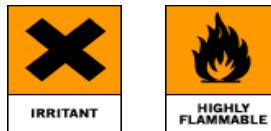
## 14. TRANSPORT INFORMATION

<b>GENERAL:</b>	Supplied in limited quantity packages
<b>UN No. ROAD:</b>	1133
<b>UK ROAD TRANSPORT CLASS:</b>	3
<b>UK ROAD PACK GR.:</b>	III
<b>ADR CLASS No.:</b>	3
<b>ADR CLASS:</b>	Class 3: Flammable liquids.
<b>ADR PACK GR.</b>	III
<b>HAZARD No. (ADR):</b>	33 Highly flammable liquid (flash-point below 23°C).
<b>PROPER SHIPPING NAME I:</b>	ADHESIVES containing flammable liquid
<b>RID CLASS No.:</b>	3
<b>RID PACK GR.</b>	III
<b>UN No. SEA:</b>	1133
<b>IMDG CLASS:</b>	3
<b>IMDG PACK GR.:</b>	III
<b>EmS No.:</b>	3-05
<b>UN No., AIR:</b>	1133

<b>ICAO CLASS:</b>	3
<b>AIR PACK GR.:</b>	III
<b>AIR TRANSPORT NOTES:</b>	Packaging instruction (passenger air): 309 Packaging instruction (cargo air only): 310

## 15. REGULATORY INFORMATION

### LABEL FOR SUPPLY:



<b>RISK PHRASES:</b>	R-11 Highly flammable. R-36 Irritating to eyes. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness. Further advice: R-18 In use, may form flammable/explosive vapour-air mixture.
<b>SAFETY PHRASES:</b>	S-2 Keep out of the reach of children. S-9 Keep container in a well-ventilated place. S-16 Keep away from sources of ignition - No Smoking. S-25 Avoid contact with eyes. S-46 If swallowed, seek medical advice immediately and show this container or label. Further advice: S-37/39 Wear suitable gloves and eye/face protection. S-51 Use only in well-ventilated areas.
<b>STATUTORY INSTRUMENTS:</b>	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
<b>APPROVED CODE OF PRACTICE:</b>	Classification and Labelling of Substances and Preparations Dangerous for Supply.
<b>GUIDANCE NOTES:</b>	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

## 16. OTHER INFORMATION

<b>INFORMATION SOURCES:</b>	Material Safety Data Sheet, Misc. manufacturers.
<b>ISSUED BY:</b>	Technical Services Department, Winsford, Cheshire
<b>REVISION DATE:</b>	28-05-2003
<b>R-PHRASES (Full Text):</b>	R-11 Highly flammable. R-36 Irritating to eyes. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness. R-10 Flammable.
<b>DISCLAIMER:</b>	Every effort has been made to ensure that this information is accurate and up to date. Users are reminded that they should ensure that they have retained or internally circulated the most up to date copy as provided to the persons or work locations which require them. No warranty is implied or given as to suitability for use for any activity which is not covered by either the technical data sheet or restrictions of use as above.