

SAFETY DATA SHEET

DUNLOP THIXOFIX

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

PRODUCT NAME: DUNLOP THIXOFIX
PART No.: 1470-760/761/766/767/768
APPLICATIONS: Non-Drip Thixotropic Contact Adhesive
SUPPLIER: Norcros Adhesives
Longton Road,
Trentham,
Stoke on Trent, ST4 8JB
Tel: 01782 591100
Fax: 01782 591101

2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
ETHYL ACETATE			1-5 %
141-78-6	205-500-4	Xi ,F R-11, 36, 66, 67	
PETROLEUM SPIRIT			30-60 %
		Xn ,F ,N R-11, 38, 51/53, 65, 67	
PARATERTIARYBUTYLPHENOL			1-5 %
98-54-4		Xn ,Xi R-22, 36/37/38	
TOLUENE			30-60 %
108-88-3	203-625-9	Xn ,F R-11, 20	

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

COMPOSITION COMMENTS: Polychloroprene based adhesive in petroleum solvent

3. HAZARDS IDENTIFICATION:

Highly flammable. Harmful by inhalation. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES:

GENERAL: NOTE! Keep affected person away from heat, sparks and flames!

INHALATION: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention.

SKIN:	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.
EYES:	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. Contact physician if irritation persists.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Fire can be extinguished using: Carbon dioxide (CO ₂). Foam. Dry chemicals, sand, dolomite etc. DO NOT USE WATER.
SPECIAL FIRE FIGHTING PROCEDURES:	Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.
HAZARDOUS COMBUSTION PRODUCTS:	Toxic gases/vapors/fumes of: Carbon dioxide (CO ₂). Carbon monoxide (CO). Hydrogen chloride (HCl).

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer.
-------------------------------	--

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
STORAGE PRECAUTIONS:	Flammable/combustible - Keep away from oxidizers, heat and flames. Keep in cool, dry, ventilated storage and closed containers. Keep in original container.
STORAGE CRITERIA:	Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
TOLUENE	108-88-3	OES	50 ppm(Sk)	150 ppm(Sk)
ETHYL ACETATE	141-78-6	OES	200 ppm	400 ppm
PETROLEUM SPIRIT		OES	600 mg/m ³	

INGREDIENT COMMENTS: OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:



VENTILATION: Provide adequate general and local exhaust ventilation. Maintain efficient ventilation/extraction using flameproof equipment where necessary.

RESPIRATORS: Respiratory protection must be used if air concentration exceeds acceptable level.

PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Use approved safety goggles or face shield.
OTHER PROTECTION:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
HYGIENIC WORK PRACTICES:	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. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Thixotropic Gel		
COLOUR:	Amber.		
ODOUR/TASTE:	Pungent. Organic solvents.		
BOILING POINT (°C, interval):	110	Pressure:	
DENSITY/SPECIFIC GRAVITY (g/ml):	0.85 - 0.88	Temperature (°C):	20
VISCOSITY (interval):	N/A.	Temperature (°C):	
SOLUBILITY DESCRIPTION:	Insoluble in water.		
FLASH POINT (°C):	- 5	Method:	CC (Closed cup).
FLAMMABILITY LIMIT - LOWER(%):	0.9		
FLAMMABILITY LIMIT - UPPER(%):	8.0		

10. STABILITY AND REACTIVITY:

STABILITY:	Normally stable.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition.
HAZARDOUS DECOMP. PRODUCTS:	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION:

INHALATION:	Harmful by inhalation.
INGESTION:	May cause stomach pain or vomiting.
SKIN:	Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
EYES:	Particles in the eyes may cause irritation and smarting.
ROUTE OF ENTRY:	Inhalation. Skin absorption.
MEDICAL SYMPTOMS:	High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:	Dangerous for the environment if discharged into watercourses.
WATER HAZARD CLASSIFICATION:	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	Dispose of in accordance with Local Authority requirements.
--------------------------	---

14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:

UN No. ROAD:	1133
UK ROAD TRANSPORT CLASS:	3
ADR CLASS No.:	3
ADR CLASS:	Class 3: Flammable liquids.
ADR ITEM No.:	5(c)
ADR LABEL No.:	3
HAZCHEM CODE:	3[Y]E
CEFIC TEC(R) No.:	30G30
PROPER SHIPPING NAME I:	Adhesive containing flammable liquids
RID CLASS No.:	3
RID ITEM No.:	5(c)
UN No. SEA:	1133
IMDG CLASS:	3
MARINE POLLUTANT:	No.
UN No., AIR:	1133

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES: R-11 Highly flammable.
R-20 Harmful by inhalation.
R-38 Irritating to skin.
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES: S-2 Keep out of reach of children.
S-16 Keep away from sources of ignition - No Smoking.
S-24 Avoid contact with skin.
S-46 If swallowed seek medical advice immediately and show this container label.
S-51 Use only in well ventilated areas.
S-29/56 Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point.

STATUTORY INSTRUMENTS: Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE: Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES: Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. OTHER INFORMATION:

INFORMATION SOURCES: Dangerous Properties of Industrial Materials Report, N.Sax et.al.

REVISION COMMENTS: ISSUE 7

REVISION DATE: JULY 2002

DISCLAIMER: This information is accurate to the best knowledge of Norcros Adhesives and is given on the understanding that the product will be used in accordance with any instructions given with this product. Should any use be contemplated outside these instructions then appropriate advice should be sought.

PRINTING DATE: 2002-07-12

R-PHRASES (Full Text): R-11 Highly flammable. R-20 Harmful by inhalation. R-36 Irritating to eyes. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness. R-38 Irritating to skin. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-22 Harmful if swallowed. R-36/37/38 Irritating to eyes, respiratory system and skin.