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altro

SAFETY DATA SHEET	Issue No: 5	Date: 9TH March 2011

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: **Altrofix 25NF**
PRODUCT TYPE/USE: **Non-Flammable Contact Adhesive**
EMERGENCY TEL NOS: 01462 480480
01462 489269
SUPPLIER: ALTRO LTD
WORKS ROAD
LETCHWORTH GARDEN CITY
HERTS
SG6 1NW
TELEPHONE: 01462 480480
FAX: 01462 480010
CONTACT PERSON: Barry Hall
MANUFACTURER: Please contact Altro for details.

2. HAZARDS IDENTIFICATION

Limited evidence of a carcinogenic effect.
Possible risk of harm to the unborn child.
CLASSIFICATION Carc 3;R40, Rep 3;R63

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	EC No.	CAS No.	HEALTH	RISK PHRASES
BUTANONE	201-159-0	78-93-3	1-10%	F;R11 Xi;R36 R66 R67
DICHLOROMETHANE	200-838-9	75-09-2	50-70%	Carc3;R40
ROSIN	232-475-7	8050-09-7	<0.5%	R43
TOLUENE	203-625-9	108-88-3	1-10%	F; R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67
The full text for all R-Phrases are displayed in Section 16				

4. FIRST AID MEASURES

INHALATION: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.
SKIN CONTACT: Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if any discomfort continues.
EYE CONTACT: 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 and get medical attention.
INGESTION: Immediately rinse mouth and provide fresh air. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention immediately.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray, fog or mist. Foam. Carbon dioxide (CO_2). Dry chemicals, sand, dolomite etc.
SPECIAL FIRE FIGHTING PROCEDURES: If risk of water pollution occurs, notify appropriate authorities.
UNUSUAL FIRE & EXPLOSION HAZARDS: May develop highly toxic or corrosive fumes if heated. May form explosive or toxic mixtures with air
SPECIFIC HAZARDS: Fire creates: Carbon monoxide (CO). Chlorine. Phosgene ($COCl_2$). Hydrogen chloride (HCl).

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF PRODUCT IS RELEASED OR SPILT: Provide ventilation and confine spill. Do not allow runoff to sewer. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

7. HANDLING AND STORAGE

USEAGE PRECAUTIONS: Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. DO NOT SMOKE! Vapour decomposes to phosgene (which is toxic) at high temperatures.
STORAGE PRECAUTIONS: May attack some plastics, rubber and coatings. Store in tightly closed original container in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT NAME	CAS NO:	STD	LTEL		STEL	
			ppm	mg/m3	ppm	mg/m3
BUTANONE	78-93-3	WEL	200 ppm(Sk)	600 mg/m3(Sk)	300 ppm (Sk)	899 mg/m3(Sk)
DICHLOROMETHANE	75-09-2	WEL	100 ppm(Sk)	350 mg/m3(Sk)	300 ppm(Sk)	1060 mg/m3(Sk)
TOLUENE	108-88-3	WEL	50 ppm(Sk)	191 mg/m3(Sk)	150 ppm(Sk)	574 mg/m3(Sk)

ENGINEERING MEASURES: Provide adequate general and local exhaust ventilation.
RESPIRATORY EQUIPMENT: Respiratory protection must be used if air contamination exceeds acceptable level.
HAND PROTECTION: Use protective gloves made of: Nitrile.
EYE PROTECTION: Wear splash-proof eye goggles to prevent any possibility of eye contact.
OTHER PROTECTION: Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench. Wear appropriate clothing to prevent any possibility of skin contact.
HYGIENE MEASURES: DO NOT SMOKE IN WORK AREA!

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Viscous Liquid.
COLOUR: Beige.
ODOUR: Chloroform.
SOLUBILITY: Slightly soluble in water. Soluble in Organic solvents.
BOILING POINT (˚C): 39˚ 760 mm Hg
VISCOSITY: 4500 cps @ 20˚C
RELATIVE DENSITY: 1.275 @ 20˚C.
FLASH POINT (˚C): >100˚ Will not flash.

10. STABILITY AND REACTIVITY

STABILITY: Avoid: Heat, sparks, flames. Moisture. Contact with alkalis.
MATERIALS TO AVOID: Bases, alkalies (inorganic). Strong oxidising substances. Alkali metals.
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Hydrogen chloride (HCl). Phosgene ($COCl_2$).

11. TOXICOLOGICAL INFORMATION

11. TOXICOLOGICAL INFORMATION (SYMPTOMS)

HEALTH WARNINGS: Gas or vapour is harmful on prolonged exposure or in high concentration. Narcotic effect. Known or suspected carcinogen for humans. CNS depressant. Swallowing concentrated chemical may cause severe internal injury.
Other Health Effects: Carcinogen Category 3.
ROUTE OF ENTRY: Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.
TARGET ORGANS: Central nervous system. Eyes. Heart & cardiovascular system. Kidneys. Liver. Respiratory system, lungs. Skin.
MEDICAL SYMPTOMS: Dilated pupils. Severe skin irritation. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Hypotension (low blood pressure).

12. ECOLOGICAL INFORMATION

BIOACCUMULATION: Low potential for bioaccumulation.
DEGRADABILITY: Slowly biodegradeable.
ACUTE FISH TOXICITY: Moderate toxicity to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION: The product (including empty containers containing any residual unevaporated solvent) is classed as hazardous waste.
DISPOSAL METHODS: In the UK refer to the Hazardous Waste Regulations (2005).
WASTE CLASS: Hazard Classification: H7 EWC Code: 08 04 09.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: DICHLOROMETHANE MIXTURE.
UN NO. ROAD: 2810
ADR CLASS: Class 6.1: Toxic substances.
ADR LABEL NO.: 6.1
ADR CLASS NO.: 6.1
ADR PACK GROUP: III
TUNNEL RESTRICTION CODE: (E)
RID CLASS NO.: 6.1
RID PACK GROUP: III
UN NO. SEA: 2810
IMDG PACK GR.: III
IMDG CLASS: 6.1
UN NO. AIR: 2810
AIR CLASS: 6.1
AIR PACK GR.: III
MARINE POLLUTANT: No.

15. REGULATORY INFORMATION

CONTAINS:	DICHLOROMETHANE	
	TOLUENE	
RISK PHRASES:	R40	Limited evidence of carcinogenic effect.
	R63	Possible risk of harm to unborn child.
SAFETY PHRASES:	S36/37	Wear suitable protective clothing and gloves.
	P14	Contains ROSIN. May produce an allergic reaction.
	P16	Can become highly flammable in use.
UK REGULATORY REFERENCES:	Chemicals (Hazard Information & Packaging for Supply) Regulations 2002.	
	Chemicals (Hazard Information & Packaging for Supply) (Amendment) Regulations 2005 (CHIP 3.1).	
EU DIRECTIVES:	Dangerous Preparations Directive 1999/45/EC	

16. OTHER INFORMATION

INFORMATION SOURCES:	Material Safety Data Sheet, Misc. manufactures. Croner's: Dangerous Substances. Croner's: Substances Hazardous to Health. Croner's: Emergency first aid Guide.
REVISION DATE:	11/08/2010
REV. NO./REPL. SDS GENERATED:	22/02/95
RISK PHRASES IN FULL:	
R11	Highly flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.