

ORIGINATED : 11/07/1996

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

Product Name : BOND Activator & Accelerator
Product Code : BC 153
Use/Description of Product : Blend of Solvents to speed up reactive setting time Of Cyanoacrylate adhesive.
Company Name : Rotec Industries
 17 Craig Ddu Estate
 Amlwch
 Anglesey
 Gwynedd
 LL68 9EH
Telephone : 01948 780111
Email : healthandsafety@rotecindustries.com
Emergency Telephone No : 01948 780111 / 07768 271691

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients :					
Substance Name	EINECS No.	CAS No.	% Conc Range	Hazard Symbols	Risk Phrases
N,N-Dimethyl-P-Toluidine	202-805-4	99-97-8	< 1%	T,Xn, -	23/24/25, 33,52/53
BUTANE	203-448-7	106-97-8	12 – 25	F+,	12
Naptha (petroleum) Hydrotreated light	256-151-9	64742-49-0	50 – 90	F,Xi,N, -	11,38,51/53, 67
N- Hexane	203-777-6	110-54-3	01 - 03	F,Xi,Xn,N, -	11,38,48/20 51/53,62,65,67

3. HAZARD IDENTIFICATION

Main Hazards : Extremely flammable. Harmful to skin. Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness
Other Hazards : In use, may form flammable / explosive vapour/air mixture

4. FIRST AID MEASURES (SYMPTOMS) part 1

Skin Contact : There may be some irritation and redness at the site of contact. Prolonged or repeated contact may cause defatting of the skin, which can lead to dermatitis
Eye Contact : There may be irritation and/or redness.
Ingestion : There may be irritation of the throat. There may be nausea or stomach pain
Inhalation : Drowsiness or mental confusion may occur.

4. FIRST AID MEASURES (ACTIONS) part 2

Skin Contact

Remove contaminated clothing and footwear unless stuck to the skin. Wash skin thoroughly with soap and water.

Eye Contact

Bathe eye with running water for 15 minutes.

Ingestion

Do not induce vomiting. Consult a Doctor.

Inhalation

Harmful by inhalation. Remove casualty from exposure ensuring one's own safety whilst doing so. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Consult a Doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	:	Carbon Dioxide. Alcohol resistant foam. Dry chemical Powder. Use water spray to cool containers. Do not use Water on fire.
Protection of Fire-fighters	:	Wear self contained breathing apparatus. Wear protective Clothing to avoid contact with skin and eyes.
Exposure Hazards	:	extremely flammable. Vapour may travel considerable distance to source of ignition and flash back. Forms explosive air-vapour mixture. In combustion emits toxic fumes of carbon dioxide/ carbon monoxide. Nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	:	Eliminate all sources of ignition. Evacuate area immediately Mark out the contaminated area with signs and prevent Access to unauthorised personnel.
Environmental Precautions	:	Do not discharge into drains or rivers.
Clean-up Procedures	:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean up procedure which may produce sparks.

7. HANDLING AND STORAGE

Handling requirements	:	Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid direct contact with the substance. Smoking is forbidden.
Storage Conditions	:	Store in a cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight. ensure lighting and electrical equipment are not a source of ignition.
Suitable packaging	:	Must only be kept in original packaging.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients :

Substance Name	Occupational Exposure Limit				Notation
	15 min WEL		8 hr WEL		
	ppm	Mg/m3	ppm	Mg/m3	
BUTANE		1810		1450.00	OES
Naptha (petroleum) Hydrotreated light			250		OES
N-Hexane				72	OES

Engineering Measures

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory Protection

Gas/vapour filter, type A: Organic vapours (EN141)

Hand Protection

Butyl gloves

Eye protection

Eye protection designed to protect against liquid splashes should be worn.

Skin Protection

Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Aerosol
Colour	:	colourless
Odour	:	Light, paraffinic
Evaporation Rate	:	Fast
Solubility in Water	:	Insoluble
Also soluble in	:	Petroleum ether
Viscosity	:	Non-viscous
Viscosity value	:	0.36
Viscosity test method	:	Kinematic viscosity in 10-6 m2/s at 40 deg C(ISO 3104/3105)
Boiling point range	:	~ -40
Flammability limits %: lower	:	1
“ upper	:	9.5
Flash Point C	:	-40 deg C
Part.coeff. n-octanol/water	:	~3.7
Autoflammability Deg C	:	410
Relative density	:	0.71
pH	:	n/a

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal conditions.
Conditions to avoid	:	Heat. Sources of ignition. Flames. Direct sunlight.
Materials to avoid	:	Strong oxidising agents
Haz. Decomp. Products	:	In combustion emits toxic fumes of carbon dioxide/ Carbon monoxide, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

N,N-Dimethyl-P-Toluidine.	:	IPR MUS LD50 212 mg/kg
Naptha (petroleum) hydrotreated	:	
Light	:	IHL LC50> 5mg/l. ORL LD50>200mg/kg. SKN LD50>2000mg/kg
N-Hexane	:	IPR RAT LDLO 9100 mg/kg. IVN MUS LDLO 831 mg/kg
	:	ORL RAT LD50 25 gm/kg
Routes of exposure	:	Refer to section 4 of SDS for routes of exposure and Corresponding symptoms.

12. ECOLOGICAL INFORMATION

Hazardous ingredients	:	Naptha (petroleum) hydrotreated light. Algae 96H LC50 >1, <10mg/kg Bacteria 96H LC50>1, <10mg/kg Daphnia 96H LC50 >1. <10 mg/kg Fish 96H LC50 >1, <10mg/kg
Mobility	:	Floats on water. Highly volatile.
Persistence and degradability	:	Rapidly Biodegradable. Photodegradable.
Bioaccumulation	:	Bioaccumulation potential
Further information	:	toxic to aquatic organisms.

13. DISPOSAL INFORMATION

Disposal operations	:	D1 tipping above or underground (e.g., landfill, etc)
Disposal of packaging	:	Dispose of in a regulated landfill site or other method for Hazardous or toxic wastes.

NB:

The users attention is drawn to the possible existence of regional or national regulation regarding disposal, Consult local Regulations.

14. TRANSPORT INFORMATION

Road/Rail	:UN No.....1950 Designation.....AEROSOLS	Packing Group....5F	Class.....2
Sea	:Packing Grp. <= 30 lts.....N/A Marine Pollutant..... EMS.....F-D-S-U Main Risk..... Shipping Name.....AEROSOLS	Packing Grp. > 30 lts.....N/A UN No.....1950 MFAG.....	Class.....2
Air	:Packing grp. <= 30 lts.....N/A UN Number.....1950	Packing Grp. > 30 lts.....N/A	Class.....2
International Road/Rail	:Item Number..... Main Risk..... Shipping Name.....AEROSOLS	UN Number.....1950	Class..... 2 Sub Risk

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the Chemicals (Hazard Information & Packaging) Regulations as follows:



Classifications	:	Extremely Flammable
Contains	:	NAPHTHA (Petroleum) HYDROTREATED LIGHT
P Phrases	:	Pressurised container, may burst if heated. Protect from sunlight. Do not expose to temperatures exceeding 50 C, Do not pierce or burn, even after use. Keep away from heat, hot surfaces, Sparks, open flames and other ignition sources. No Smoking. In use may form flammable/explosive vapour-air mixture. Use only as described. (BAMA) Lubricant. 1950
Risk/Safety Phrases:		Extremely flammable aerosol. Cause skin irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long term effects. Avoid breathing vapour/spray. Wear protective gloves. Use only outdoors or in a ventilated area. IF ON SKIN: Wash with soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position Comfortable for breathing. If exposed or concerned get medical advice or attention. Avoid release to the environment.

The information contained in this Safety data Sheet does not constitute the users own assessment of the workplace risks as required by other Health & Safety Legislations.
The provisions of the Health & Safety at work Etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product in a suitable work environment.

Note: The Naptha (petroleum) hydrotreated, light component of this product contains <0.1% benzene by weight, hence the classification as a carcinogen(R45) does not apply – see Note P in the Approved Supply List, which forms part of the CHIP3 Regulations. The regulatory information given above indicates the principle regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable, national, international and local regulations or provisions.

16. ADDITIONAL INFORMATION

Risk Phrases Listed in Section 2

R 11	Highly Flammable
R12	Extremely Flammable
R48/20	Harmful danger of serious damage to health by prolonged exposure by inhalation
R33	Danger of cumulative effects.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R38	Irritating to skin.
R 65	Harmful may cause lung damage if swallowed.
R 67	Vapors may cause drowsiness and dizziness
R 66	Repeated exposure may cause skin dryness or cracking.
R62	Possible risk of impaired fertility

Legal disclaimer:

Usage warning: If applied in excess, some discolouration can occur on uPVC surfaces, especially if applied in strong sunlight. The information contained in this safety data sheet is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from the handling or from contact with the above product.