

SAFETY DATA SHEET

BLT NO CLEAN FLUX 35-41

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME BLT NO CLEAN FLUX 35-41
 PRODUCT NO. B3541
 SUPPLIER BLT Circuit Services Limited
 Brome Industrial Estate
 Brome, Eye
 Suffolk. IP23 7HN
 01379 870870
 01379 870970

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED	265-149-8	64742-47-8	5-10%	Xn;R65
ISO-BUTANOL	201-148-0	78-83-1	10-30%	R10 Xi;R37/38,R41 R67
ORGANIC ACID		68603-87-2	1-5%	Xi;R36/38.
PROPAN-2-OL	200-661-7	67-63-0	60-100%	F;R11 Xi;R36 R67
ROSIN	232-475-7	8050-09-7	1-5%	R43

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

3 HAZARDS IDENTIFICATION

Highly flammable. Risk of serious damage to eyes. May cause sensitisation by skin contact. Irritating to respiratory system and skin.
 Vapours may cause drowsiness and dizziness.
 CLASSIFICATION Xi;R37/38, R41. R43. F;R11. R67.

4 FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention. NOTE! Keep affected person away from heat, sparks and flames!

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Rinse mouth thoroughly. Get 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 irritation persists after washing.

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. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Water spray. Powder.

SPECIAL FIRE FIGHTING PROCEDURES

Ventilate closed spaces before entering them. Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Do not scatter spilled material with more water than needed to fight the fire. Be aware of danger for fire to re-start. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

May explode in a fire. May develop highly toxic or corrosive fumes if heated. May travel considerable distance to source of ignition and flash back. Vapour explosion and poison hazard indoors, outdoors and in sewers.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

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ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3
ISO-BUTANOL	WEL	50 ppm	154 mg/m3	75 ppm	231 mg/m3
ROSIN	WEL		0.05 mg/m3		0.15 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	VAPOUR PRESSURE	33 mmHg @ 20 °c
COLOUR	Lightly coloured.	AUTO IGNITION TEMPERATURE (°C398)	
ODOUR	Odour of alcohol	FLAMMABILITY LIMIT - UPPER(%)	12
SOLUBILITY	Miscible with water.		
RELATIVE DENSITY	0.81 @ 20 °c		
FLASH POINT (°C)	12 CC (Closed cup).		
FLAMMABILITY LIMIT - LOWER(%)	2		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions. SHELF LIFE 12 MONTHS

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

HAZARDOUS POLYMERISATION

Will not polymerise.

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MATERIALS TO AVOID

Acids, oxidising.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION

HEALTH WARNINGS

INHALATION. May cause irritation to the respiratory system. SKIN CONTACT. Prolonged or repeated contact leads to drying of skin. May cause skin irritation/eczema. EYE CONTACT. Irritating to eyes. INGESTION. May cause stomach pain or vomiting.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

NOT EXPECTED TO BIOACCUMULATE, PREDICTED BCF = 1 DEGRADABILITY; BOD> 78% ThOD Little danger to the environment.

EC 50, 48 Hrs, DAPHNIA, mg/l >1000mg

WATER HAZARD CLASSIFICATION

WGK 1

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	FLAMMABLE LIQUID N.O.S CONTAINS ISOPROPYL ALCOHOL		
UN NO. ROAD	1993	ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.	ADR PACK GROUP	PACKAGING GROUP 11
HAZARD NO. (ADR)	33 Highly flammable liquid (flash-point below 23°C).	ADR LABEL NO.	3
RID CLASS NO.	3	RID PACK GROUP	3(b)
UN NO. SEA	1993	IMDG CLASS	3
IMDG PACK GR.	II	EMS	F-E, S-E
MARINE POLLUTANT	No.	UN NO. AIR	1993
ICAO CLASS	3	AIR PACK GR.	II

15 REGULATORY INFORMATION

LABELLING



Irritant



Highly Flammable

CONTAINS

ROSIN

RISK PHRASES

- R11 Highly flammable.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R37/38 Irritating to respiratory system and skin.
- R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

- S9 Keep container in a well-ventilated place.
- S16 Keep away from sources of ignition - No smoking.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S51 Use only in well-ventilated areas.

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S24/25	Avoid contact with skin and eyes.
S37/39	Wear suitable gloves and eye/face protection.
S60	This material and its container must be disposed of as hazardous waste.

16 OTHER INFORMATION

REVISION DATE MARCH 2006

REV. NO./REPL. SDS GENERATED 1

SDS NO. BLT35-41/1

RISK PHRASES IN FULL

R10	Flammable.
R11	Highly flammable.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.