

HEALTH & SAFETY DATA SHEET
TECHNICAL PAINT SERVICES
MSDS 100J8

1. PRODUCT NAME: RTR22, FL42, FTR42, HTR44, ATR72, ATR88, UTR112, XTR112, ATR114, ATR117, AL122, AL123, PP129, PTR139.

USE: Fine solvent based blend for spraying.
Use as thinners for the thinning of coatings and cleaning of equipment.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BUTANOL-norm	200-751-6	71-36-3	10-30%	R10 Xn;R22 Xi;R37/38,R41 R67
XYLENE	215-535-7	1330-20-7	60-80%	R10 Xn;R20/21 Xi;R38

3. HAZARDS IDENTIFICATION

Flammable. Harmful by inhalation, in contact with skin and if swallowed. Risk of serious damage to eyes. Irritating to respiratory system and skin.

CLASSIFICATION Xn;R20/21/22. Xi;R37/38, R41. R10.

ENVIRONMENT The product is not expected to be hazardous to the environment.

PHYSICAL AND CHEMICAL HAZARDS Heating will generate vapours which may form explosive vapour/air mixtures.

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. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital. Bring these instructions. May cause permanent damage if eye is not immediately irrigated.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Foam, dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out.

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

SPECIFIC HAZARDS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with non-combustible, absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Flammable liquid storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT-ppm	LT-mg/m ³	ST-ppm	ST-mg/m ³
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m ³ (Sk)
XYLENE	WEL	50 ppm(Sk)	220 mg/m ³ (Sk)	100 ppm(Sk)	441 mg/m ³ (Sk)

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT

Protective Gloves, Eye Goggles/Protection.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Wear mask supplied with gas cartridge suitable for organic substances.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin 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	Colourless liquid		
ODOUR	Aromatic		
SOLUBILITY	Slightly soluble in water		
BOILING POINT (°C)	116-143 @ 760 mm Hg	RELATIVE DENSITY	0.832 - 0.896 @ 20°C
VAPOUR DENSITY (air=1)	>1	VOLATILE BY VOL. (%)	100
VISCOSITY	3.0mPas @ 23°C	FLASH POINT (°C)	25 CC (Closed cup).
FLAMMABILITY LIMIT - LOWER(%)	1.1	VOLATILE ORGANIC COMPOUND (VOC)	860 g/litre

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid exposing to heat and contact with strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. TOXICOLOGICAL INFORMATION

INHALATION

Harmful by inhalation. Vapours irritate the respiratory system, and may cause coughing and difficulties in breathing.

INGESTION

Harmful if swallowed. May cause nausea, headache, dizziness and intoxication.

SKIN CONTACT

Harmful in contact with skin. Irritating to skin.

EYE CONTACT

Extreme irritation of eyes and mucous membranes, including burning and tearing. Risk of serious damage to eyes.

TARGET ORGANS

Skin. Eyes. Respiratory system, lungs.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

The product is not expected to be toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

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

14. TRANSPORT INFORMATION

UK ROAD CLASS	3		
PROPER SHIPPING NAME	ALCOHOLS, N.O.S. (XYLENE, BUTANOL-norm)		
UN NO. ROAD	1987	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZARD No. (ADR)	30
ADR LABEL NO.	3	HAZCHEM CODE	3Y
CEFIC TEC(R) NO.	30GF1-III	RID CLASS NO.	3
RID PACK GROUP	III	UN NO. SEA	1987
IMDG CLASS	3	IMDG PACK GR.	III
EMS	F-E, S-D	MARINE POLLUTANT	No.
UN NO. AIR	1987	AIR CLASS	3
AIR PACK GR.	III		

15. REGULATORY INFORMATION

LABELLING Harmful

CONTAINS BUTANOL-norm
XYLENE

RISK PHRASES

R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.

SAFETY PHRASES

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

16. OTHER INFORMATION

RISK PHRASES IN FULL

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R22	Harmful if swallowed.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R67	Vapours may cause drowsiness and dizziness.

WARNING SYMBOLS

Xn Harmful

REFERENCE DOCUMENTS

STATUTORY

Air Navigation (Dangerous Goods) Regulations
Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations as amended
Chemical (Hazard Information and Packaging for Supply) (Amendment) Regulations
Consumer Protection Act 1987
Control of Lead at Work Regulations 1998
Control of Pollution (Amendment) Act 1989
Control of Substances Hazardous to Health Regulations
Dangerous Goods Safety Advisor Regulations
Environment Act 1995
Environmental Protection (Duty of Care) Regulations
Environmental Protection Act 1990
Factories Act 1961
Fire Precautions Act 1971
Hazardous Waste (England and Wales) Regulations
Health and Safety at Work Act 1974

International Rail/Road Transport -RID and ADR (Current editions)
List of Wastes (England) Regulations
Management of Health and Safety at Work Regulations 1999
Manual Handling Regulations 1992
Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations
Personal Protective Equipment at Work Regulations 1992
Provision and Use of Work Equipment Regulations
Waste Management Licensing Regulations

APPROVED CODES OF PRACTICE

ACOP - Control of Lead at Work (ACOP 2) - HSE Books
ACOP - Control of Substances Hazardous to Health/Control of Carcinogenic Substances- HSE Books
ACOP - Waste Management - The Duty of Care

HEALTH AND SAFETY EXECUTIVE

GUIDANCE NOTES

HS(G)37 - An Introduction to Local Exhaust Ventilation
EH40 - Workplace Exposure Limits
EH44 - Dust: General Principles of Protection
HS(G)53 - The Selection, Use and Maintenance of RPE
HS(G)71 - Storage of Packaged Dangerous Substances
HS(G)140 - Safe Use and Handling of Flammable Liquids
HS(G)193 - COSHH Essentials: easy steps to control chemicals
L23 - Manual Handling: Guidance on Regulations

BRITISH STANDARDS PUBLICATIONS

BS4275 - Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment
EN166 - Personal eye protection - specifications
EN420 - General requirements for gloves

LEAD IN PREVIOUSLY PAINTED SURFACES

When surfaces are to be prepared for painting, account must be taken of the age of the property and the possibility that lead pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause adverse health effects.

As a working rule you should assume that this will be the case if the age of the property is pre 1960. Where possible, wet flattening or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry flattening cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of the occupational hygiene (COSHH) assessment, taking into account the occupational hygiene exposure standard for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area. Extra precautions will need to be taken when burning off old lead based paints as fumes containing lead will be produced. It is recommended that a respirator, approved for use with particulate fumes of lead is selected on the basis of the occupational hygiene (COSHH) assessment.

The Code of Practice for the Control of Lead at Works (reference ISBN 07176 1506 5 1998) should be consulted for advice on protective clothing and personal hygiene precautions.

Care should be taken to exclude visitors, members of the household and especially children from the affected area, during the actual work and the subsequent clean up operations. All scrapings, dust, etc. should be disposed of by the professional painting contractor as Hazardous Waste, with the relevant documentation under the Hazardous Waste Regulations, The Environmental Protection (Duty of Care) Regulations, The Controlled Waste (Registration of Carriers and Seizure of Vehicles) Regulations and the Waste Management Licensing Regulations.

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the CHIP Regulations. The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular application.