



BIOSTRIP 20

LIQUID THIXOTROPIC PAINT STRIPPER TECHNOLOGY

Biostrip 20 is a water based thixotropic paint stripper, which is non-toxic, user friendly and environmentally safe. Biostrip 20 offers an excellent alternative to toxic chlorinated solvent products and satisfies all current and projected VOC and RoSH Directives.

Biostrip 20 will quickly strip many paint coatings such as epoxy and polyester powder coatings at ambient temperatures and compares in speed to traditional thixotropic chlorinated solvent based strippers.

FEATURES

- Water based product
- Does not contain harmful aromatic solvents
- Near neutral pH so can be washed down drains with no hazard to users
- Non flammable
- Fully biodegradable
- Non carcinogenic, non toxic
- Contains no TAP's or HAP's (Toxic/Hazardous Air Pollutants)
- Easy clean up with water
- Low VOC's
- Non ozone depleting
- Non regulated by authorities for worker health and safety
- Low and inoffensive odour
- Will not burn skin
- Cost effective due to being water based
- Operates at ambient temperature saving energy
- Costs less for waste disposal compared to toxic solvents

TYPICAL USES

Biostrip 20 will effectively remove a wide range of coatings including alkyd paints, lead based paints, urethanes, and varnish. Biostrip 20 will also lift twin pack and fusion bonded epoxies from a wide range of materials including steel, aluminium, metal alloys and most plastics. Biostrip 20 does not etch aluminium.

Typical applications include:

- Stripping of fusion bonded powder coats from a wide range of parts. Parts can either be dipped in Biostrip 20 or where more convenient Biostrip can be brushed or sprayed onto parts to be stripped
- Especially useful for stripping large parts that cannot easily be stripped in immersion tanks
- Suitable for stripping a wide range of architectural coatings in situ
- Suitable for stripping paint of large plant, train coaches, aircraft and other large outdoor machinery

Properties

Appearance:	white, thixotropic gel
Odour:	typical alcohol
Specific Gravity:	1.0 to 1.05
Boiling Point:	> 100C
PH:	8 to 9
Flash Point:	> 100C
Packaging:	4x5, 25, 200 and 1000 litre containers

PRODUCT DESCRIPTION

Biostrip 20 is a fast acting thixotropic paint stripping technology which is user and environmentally friendly and is non toxic and biodegradable. The product is very low in VOC emissions, non-ozone depleting and is not regulated for transport, storage or health and safety. It complies with the VOC and RoSH Directives. Biostrip 20 is safe for use on most metal components including steel, aluminium, zinc, copper and brass, and for use on plastics, though a test piece should be tested initially.

DIRECTIONS FOR USE

Biostrip 20 is formulated as a thixotropic stripper for use at ambient temperatures by coating parts to be stripped with either a brush or dipping into a tank of the product. The product is very fast in action, and once paint has blistered, paint residues and spent stripper can be quickly and easily hosed from parts with tap water.

Biostrip 20 is effective at removing a wide range of paints including fusion bonded epoxies and polyesters, urethanes, latex, lead paints, alkyd paints and varnish. Paint skins washed from parts should be removed by filtration before disposing of spent stripper to drain.

Material Safety Data Sheet

BIOSTRIP 20

Authorised Date: 29 September 2008

Pages: 4

Conforms to EC Directive 91/155/EEC



1. IDENTIFICATION

Trade Name: Biostrip 20
Product Type: Aqueous thixotropic paint stripper

2. INFORMATION ON COMPOSITION

Substance	%	CAS Number	Symbol	R Phrase
Benzyl alcohol	< 30	100-51-6	Xn	20/22
Contains other ingredients Which are non hazardous or Below concentrations required To be listed	water, emulsifiers, thickeners, accelerators			

3. HAZARDS IDENTIFICATION

Label Information Not classified as hazardous in accordance with the Chemicals (Hazards Information and Packaging for Supply) Regulations 1994.

4. FIRST AID MEASURES

Eye Contact: Rinse immediately with water, seek medical attention if symptoms occur
Skin Contact: Rinse with water
Ingestion: Rinse mouth with water, drink a copious quantity of water if a large quantity has been ingested; do not induce vomiting. Seek medical advice if symptoms occur.
Inhalation: If symptoms occur, move the exposed person to fresh air immediately. Seek medical advice if symptoms persist.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Not applicable as product is water based and non combustible

6. ACCIDENTAL RELEASE MEASURES

Leaks and spills: Small spillage's may be washed away with water. Dispose of large quantities in accordance with Local Authority Guidelines
Handling: Handle in accordance with good industrial practice. No special precautions required
Storage: Store upright in container provided, away from thoroughfares to avoid accidental damage. Keep away from sources of heat or direct sunlight.
Usage: Natural ventilation is adequate during use

7. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal Protection: Along with all surfactant containing materials, contact with skin will result in defatting and may cause irritation and skin reactions. Wear butyl rubber or neoprene gloves, goggles or face mask, overalls. Use in adequately ventilated areas.

8. PHYSICAL AND CHEMICAL PROPERTIES

Colour: Creamy white thixotropic gel
Opacity: opaque
pH (concentrate): Typically 8 to 9
Flammability: Non flammable
Vapour pressure: As water
Solubility in water: will separate if added to water
Density (water = 1): 1.00 to 1.05

9. STABILITY AND REACTIVITY

Material Safety Data Sheet

BIOSTRIP 20

Authorised Date: 29 September 2008

Pages: 4

Conforms to EC Directive 91/155/EEC



Stability: Stable under recommended storage conditions

Avoid Blending with: Strong oxidising agents

Dangerous products of combustion: smoke, carbon monoxide, carbon dioxide, oxides of nitrogen

10. TOXICOLOGICAL INFORMATION

Eyes: Will cause irritation. No permanent damage expected if treated immediately

Skin: Contact with skin will cause rapid defatting and subsequent irritation may occur

Ingestion: Harmful if ingested – there is immediate damage and irritation

Inhalation: May cause irritation to respiratory system

11. ECOLOGICAL INFORMATION

Biodegradable: will decompose into simple non toxic salts in the environment

Environmental effect: Product is slightly alkaline, which may cause slight pH elevation, which may adversely effect some fish and algae. These effects lessen upon dilution

12. DISPOSAL CONSIDERATIONS

This product is classified as hazardous waste under EEC directive 91/689/EEC

Product: Should disposed of by specialised disposal company in accordance with local regulations

Container: Made from HDPE and should be returned for recycling or disposed of by specialised disposal company.

13. TRANSPORT INFORMATION

Road: No special packaging required

Label for Conveyance: UN – not classified, Packaging Group – not classified, ADR Class – not classified

Label for Supply: None required

Risk Phrases: R20/22

Safety Phrases: None

UK Regulatory Phrases: The Chemicals (Hazard Information and Packaging for Supply) Regulations, 1994 (SI 1994/3247).
The Control of Substances Hazardous to Health

14. REGULATORY INFORMATION

Chip Label – Harmful, Risk phrases: R22 Safety Phrases: S2, S20

15. OTHER INFORMATION

The above information, including health, safety and environmental information and recommended precautions is considered to be accurate at the time of issue. However, no warranty, guarantee or representation whether

express of implied is given in respect of its accuracy. The information may not be accurate for all individuals and/or situations and/or applications. It is the obligation and responsibility of users to evaluate this information and to use the product safely and to comply with all applicable laws and regulations.

Partswash Ltd shall not be responsible for any damage, injury or loss, consequential or otherwise resulting from the use of the product or from failure to adhere to recommendations.

Development Policy: Partswash Ltd has a policy of continuous product development and information contained herein may change without notice. Contact Partswash Ltd for latest details.