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1. Identification of the Preparation and of the Company

Reference/Product name: **TPS WB176 (Two Pack) Water based Epoxy Base**
TPS WBP1020 (Two Pack) Water based Multi Surface Primer Base
 Intended use: Coating/finish for application by brush, roller or spray once mixed with activator
 Company/undertaking name & address: **Technical Paint Services, The Paint Centre, 27 Southcote Road, Bournemouth BH1 3SH**

2. Hazards Identification

Irritant: Irritating to skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.
 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 CLASSIFICATION (1999/45) Xi;R38, R41. R43. R52/53.

Once mixed with the twin pack TPS Water based Activator containing epoxy constituents, please refer to that data sheet for additional hazards and subsequent control measures

3. Composition

Description: Mixture including the following substances presenting a health or environmental hazard within the meaning of the CHIP Regulations or which are assigned occupational Workplace Exposure Limits

	E.C No	CAS-No	Content	Classification (67/548)
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	202-013-9	90-72-2	1-5%	Xn;R22 Xi;R36/38
bis(2-DIMETHYLAMINOETHYL)(METHYL)AMINE	221-201-1	3030-47-5	< 1%	T;R24 C;R34 Xn;R22
NONYLPHENOL ETHOXYLATED POLY POLYAMINOAMIDE		9016-45-9	1-5%	Xi;R36/38
POLYETHYLENEPOLYAMINES (NOS)			10-30%	Xi;R38,R41. R43
			1-5%	C;R34 Xn;R21/22 R43

Refer to section 15 & 16 for the wording of the listed risk phrases

4. First aid measures

General: In all cases of doubt, or when symptoms persist, seek medical attention.
 Never give anything by mouth to an unconscious person

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and warm water or use a proprietary skin cleanser based on polyethylene glycol. Do NOT use solvents or thinners. If a skin reaction occurs seek medical attention

Eye contact: Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention

Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice

5. Fire-fighting measures

Suitable extinguishing media: **Should a fire occur where this material is in use or stored then:**
 Alcohol resistant foam, CO₂, powder, water spray/mist

Unsuitable extinguishing media: High volume water jet

Required special protective equipment for fire-fighters: Fire will produce dense black smoke containing vapours and other hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus will be required. Do not allow run-off from fire-fighting to enter drains, watercourses or soil

6. Accidental release measures

Personal precautions: Refer to protective measures listed in Sections 7 and 8.

Environmental precautions: Contain and cover spillages with wet non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, place in a suitable container to await disposal in accordance with the waste regulations (see Section 13).
 If the product enters drains or sewers immediately contact the local water company; in the case of contamination of streams, rivers or lakes, the relevant environment agency

Methods for cleaning: Clean preferably with a detergent: avoid the use of solvents

7. Handling and storage

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Handling: Keep the container dry and closed at all possible times. Avoid skin and eye contact. Smoking, eating and drinking should be prohibited in areas of use. Never use pressure to empty the container (it is not a pressure vessel). Always keep in containers made of the same material as the supply container. The Manual Handling Operations Regulations may apply to the handling of packages of this product. Refer to the guide weight indicated on the package when carrying out assessments

Storage: Keep the container tightly closed and dry. Observe the label precautions. Store between 5 and 25°C in a dry, well-ventilated place away from sources of heat and direct sunlight. Containers that are opened should be properly resealed and kept upright to prevent leakage. Store separately from strongly alkaline and strongly acidic materials

8. Exposure Control / Personal Protection

Engineering measures: No special measures required
Control Parameters: No special measures required
Personal protection equipment: Wear suitable PPE e.g. gloves, overalls and safety glasses
Eye protection: Safety glasses should be worn to prevent incidental splashes
Hand protection: Nitrile, rubber or plastic gloves
Hygiene measures: Ensure hands are washed before eating drinking or going to the toilet. Apply skin protection cream before handling. Immediately remove any contaminated clothing

9. Physical and chemical properties

Appearance:	Liquid	Melting point:	n/a
Odour:	Slightly Ammoniacal	Explosive properties:	none
Colour:	White & Colours	Flashpoint:	>100°C
Viscosity:	1.3 -1.7 C&P & 25°C	Vapour pressure:	<5mm Hg @21°C
pH:	n/a	Relative density	1.2 – 1.3g/cm ³ (weight cup)
Boiling point:	~100°C	Solubility:	Partially miscible with water
VOC:	2 g/l max. (EU limit cat A/j WB = 140 g/L 2010)		

10. Stability and reactivity

Conditions to avoid: Stable under the recommended storage and handling conditions (see Section 7).
Materials to avoid: Strong acids, alkalis and oxidizing agents..
Hazardous decomposition In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced.

11. Toxicological information

Acute toxicity: The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. See Sections 3 and 15 for details of the resulting hazard classification.

Exposure may affect human health as follows:

Skin contact: Mild skin irritation may occur. May cause sensitisation. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis.

Eye contact: Splashes in the eyes may cause serious damage

Inhalation/ingestion: Harmful if inhaled and may cause delayed lung injury. May cause irritation to respiratory tract.

12. Ecological information

This product has been assessed following the conventional method in CHIP and is not classified as dangerous for the environment

13. Disposal Considerations

The classification of this product when disposed of as waste is **H3B, H5** and **08 01 11** in the European Waste Catalogue. If this product is mixed with other wastes this code may no longer apply. If mixed with other wastes the appropriate code should be assigned. For further information contact your local waste authority.

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Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under The Control of Pollution Act, The Environmental Protection Act and The Hazardous Waste Regulations. Advice should be obtained from the relevant waste authority on the classification of empty containers.

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

14. Transport information

Land transport ADR/RID (cross border): This product is not classified as dangerous for carriage
Maritime transport IMDG: This product is not classified as dangerous for carriage
Air transport IATA-DGR This product is not classified as dangerous for carriage

15. Regulatory information

Labelling according to EEC Directives: IRRITANT, Xi

Risk Phrases:	R38	Irritating to skin
	R41	Risk of serious damage to eyes
	R43	May cause sensitisation by skin contact
Safety phrases:	S7	Keep container tightly closed
	S24/25	Avoid contact with skin and eyes
	S29	Do not empty into drains
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection
	S60	This material and its container must be disposed of as hazardous waste

Hazardous components that must be listed on the label: None

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work

16. Other Information

General:

The information contained in this 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 supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and on 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 applications. This safety data sheet replaces all previous versions (refer to above date) and may contain significant new information affecting your risk assessment when using this product. The information contained in this safety data sheet is based on the present state of knowledge and current legislation. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness.

Recommendations/restrictions:

The information provided relates only to the material specified for industrial use and does not apply if used in combination with other materials. The data sheet gives information to the best of our knowledge on the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed. It is the user's responsibility to be satisfied that the information provided is suitable and complete enough for this materials particular use.

Sources of key data and guidance used to compile this Safety Data Sheet: This data sheet was prepared in accordance with Directive 91/155/EEC (93/112/EC)

- Suppliers' data
- Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3) SI 2002/1689
- Approved supply list. Information approved for the classification and labelling of substances and preparations dangerous for supply L129 (Seventh Edition)
- Approved classification and labelling guide. Guidance on Regulations L131 (Fifth Edition)
- The compilation of safety data sheets Approved Code of Practice L130 2002
- CHIP for everyone HSG228

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European Inventory of Existing Commercial Chemical substances (EINECS)

Approved carriage list Information approved for the carriage of dangerous goods by road and rail L90 (Third Edition)

Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Equipment Regulations 2004 SI 2004/568

Occupational exposure limits EH40/2005

The BCF Guide to the CHIP Regulations December 2005

Hazardous Waste Regulations 2005 SI 2005/894

Further information and advice can be found in:

Control of Substances Hazardous to Health Regulations 2002 (COSHH) SI 2002/1689 and subsequent amendments

COSHH Essentials: easy steps to control chemicals, HS(G)193. Details of available Control Guidance Sheets, which may be relevant to the particular conditions of use, can also be found in HS(G) 193

Chemical Warehousing: Storage of Packaged Dangerous Substances, HS(G)71

The Environmental Protection (Duty of Care) Regulations 1992 SI1992/2839

R phrases of hazardous components (except those already listed in section 15):

R21/22 Harmful in contact with skin and if swallowed

R34 Causes burns

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Changes to previous version: Complete revision