Safety Data Sheet

1. Identification and Company

Product Code:	TSF0003
Substance Name:	Primex - Filler Primer Aerosol
Application:	Coating compound/Surface-coating paint
Supplied by:	International Applications Ltd, 18 Wildmere Road, Wildmere Industrial Estate, Banbury, Oxfordshire, OX16 3JU.
Further information:	+44 (0)1295 274004
Emergency Contact:	During working hours GMT 08.30 - 17.00 – +44(0)1295 274004

2. Hazards Identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

GHS02 flame

Flam. Liq. 2	H225 Highly flammable liquid and vapour.

GHS08 health hazard

Repr. 2	H361d Suspected of damaging the unborn child.
STOT RE 2	H373 May cause damage to organs through prolonged or repeated exposure.

GHS07

Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

Label elements:
Labelling according to Regulation (EC) No 1272/2008:
The product is classified and labelled according to the CLP regulation.

Hazard pictograms:
GHS02, GHS07, GHS08

Signal word:
Danger

Hazard-determining components of labelling:
Toluene
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin

Hazard statements:
Highly flammable liquid and vapour.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of damaging the unborn child.
May cause damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

Precautionary statements:
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations. ·

Additional information:
Contains epoxy constituents. May produce an allergic reaction.

Other hazards:
Results of PBT and vPvB assessment:
PBT: Not applicable.
vPvB: Not applicable.

3. Composition

Chemical characterization: Mixtures
Description: Mixture of substances listed below with non-hazardous additions.
Dangerous components:

CAS: 108-88-3 EINECS: 203-625-9	toluene; Flam. Liq. 2 H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	10-25%
CAS: 64-17-5 EINECS: 200-578-6	ethanol Flam. Liq. 2 H225;	2.5-10%
CAS: 9004-70-0	Nitrocellulose (12.3% N) Flam. Sol. 1, H228	2.5-10%
CAS: 123-86-4 EINECS: 204-658-1	Butyl ethanoate Flam. Liq. 3, H226; STOT SE 3, H336	2.5-10%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	2.5-10%
CAS: 67-64-1 EINECS: 200-662-2	propan-2-one Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	2.5-10%

CAS: 25068-38-6 NLP: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin  Aquatic Chronic 2, H411;  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	2.5-10%
CAS: 1330-20-7 EINECS: 215-535-7	Xylene (mix)  Flam. Liq. 3, H226;  Acute Tox. 4, H312; Acute Tox 4, H332; Skin Irrit. 2, H315	2.5-10%
CAS: 28553-12-0 EINECS: 249-079-5	di-iso nonyl phthalate substance with a Community workplace exposure limit	2.5-10%
CAS: 78-83-1 EINECS: 201-148-0	isobutanol  Flam. Liq. 3, H226;  Eye Dam. 1, H318;  Skin Irrit. 2, H315; STOT SE 3, H335-H336	≤ 2.5%
CAS: 141-78-6 EINECS: 205-500-4	Ethyl Acetate  Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336	≤ 2.5%
CAS: 67-56-1 EINECS: 200-659-6	methanol  Flam. Liq. 2, H225;  Acute Tox. 3, H301; Acute Tox 3, H311; Acute Tox. 3, H331;  STOT SE 1, H370	≤ 2.5%

Additional information:
For the wording of the listed risk phrases refer to section 16.

4. First Aid Measures

Description of first aid measures:

After inhalation:
Supply fresh air and call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact:
Immediately wash with water and soap and rinse thoroughly.

After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:
If symptoms persist consult doctor.

Information for doctor:
Most important symptoms and effects, both acute and delayed:
No further relevant information available.

Indication of any immediate medical attention and special treatment needed:
No further relevant information available.

5. Fire Fighting Measures

Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents:
Water with full jet.

Special hazards arising from the substance or mixture:
No further relevant information available.

Advice for firefighters:
Protective equipment:
Put on breathing apparatus.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.

Environmental precautions:
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Handling & Storage

Handling:
Precautions for safe handling:
Keep receptacles tightly sealed.
Ensure good ventilation/extraction at the workplace.
Prevent formation of aerosols.

Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities:
Storage:
Requirements to be met by storerooms and receptacles:
Store in a cool location.

Information about storage in one common storage facility:
Not required.
Further information about storage conditions:
Keep receptacle tightly sealed.
Store in cool, dry conditions in well-sealed receptacles.

Specific end use(s)
No further relevant information available.

8. Exposure Controls/Personal Protection

Additional information about design of technical facilities:
No further data; see item 7.

Control parameters:
Ingredients with limit values that require monitoring at the workplace:
108-88-3 toluene
WEL Short-term value: 384 mg/m³, 100 ppm
Long-term value: 191 mg/m³, 50 ppm
Sk
64-17-5 ethanol
WEL Long-term value: 1920 mg/m³, 1000 ppm
123-86-4 Butyl ethanoate
WEL Short-term value: 966 mg/m³, 200 ppm
Long-term value: 724 mg/m³, 150 ppm

67-63-0 propan-2-ol
WEL Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm
67-64-1 propan-2-one
WEL Short-term value: 3620 mg/m³, 1500 ppm
Long-term value: 1210 mg/m³, 500 ppm
1330-20-7 Xylene (mix)
WEL Short-term value: 441 mg/m³, 100 ppm
Long-term value: 220 mg/m³, 50 ppm
Sk; BMGV
28553-12-0 di-iso nonyl phthalate
WEL Long-term value: 5 mg/m³
78-83-1 butanol
WEL Short-term value: 231 mg/m³, 75 ppm
Long-term value: 154 mg/m³, 50 ppm
141-78-6 Ethyl Acetate
WEL Short-term value: 400 ppm
Long-term value: 200 ppm
67-56-1 methanol
WEL Short-term value: 333 mg/m³, 250 ppm
Long-term value: 266 mg/m³, 200 ppm
Sk

Additional information:
The lists valid during the making were used as basis.

Exposure controls:
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Respiratory protection:
When spraying the product, use a respiratory protective device.
Protection of hands:
When skin exposure may occur, advice should be sought from the glove supplier on appropriate types and usage times for this product.

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection:

Tightly sealed goggles

9. Physical & Chemical Properties.

Information on basic physical and chemical properties
General Information

Appearance:	
Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	Not determined
Change in condition:	
Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	78°C
Flash point:	4°C
Flammability (solid, gaseous):	Not applicable
Ignition temperature:	370°C

Decomposition temperature:	Not determined
Self-igniting:	Product is not self-igniting
Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible
Explosion limits:	
Lower:	1.2 Vol %
Upper:	7.0 Vol %
Vapour pressure at 20°C:	29 hPa
Density at 20°C:	1.202 g/cm³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with water:	NOT MISCIBLE
Segregation coefficient (n-octanol/water):	Not determined
Viscosity:	
Dynamic:	Not determined
Kinematic:	Not determined
Solvent content:	
Organic solvents:	47.2 %
Water:	0.1 %
Solids content:	41.5 %
Other information	No further relevant information available

10. Stability & Reactivity

Reactivity:

Chemical stability

Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
Possibility of hazardous reactions
No dangerous reactions known.
Conditions to avoid
No further relevant information available.
Incompatible materials:
No further relevant information available.
Hazardous decomposition products:
No dangerous decomposition products known.

11. Toxicological Information

Information on toxicological effects
Acute toxicity:
LD/LC50 values relevant for classification
108-88-3 toluene

Oral	LD50 5000 mg/kg (rat)
Dermal	LD50 12124 mg/kg (rab)
Inhalative	LC50/4 h 5320 mg/l (mus)

Primary irritant effect:
On the skin:
Irritant to skin and mucous membranes.
On the eye:
Irritating effect.
Sensitization:
Sensitization possible through skin contact.

Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant.

12. Ecological Information

Toxicity:

Acquatic toxicity:
No further relevant information available.
Persistence and degradability
No further relevant information available.

Behaviour in environmental systems:
Bioaccumulative potential
No further relevant information available.

Mobility in soil
No further relevant information available.

Ecotoxical effects:
Remark:
Harmful to fish.

Additional ecological information:
General notes:
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms.

Results of PBT and vPvB assessment:
PBT: Not applicable.
vPvB: Not applicable.

Other adverse effects
No further relevant information available.

13. Disposal Considerations

Waste treatment methods
Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:
Recommendation:
Disposal must be made according to official regulations.

14. Transport Information

UN-Number
ADR, IMDG, IATA UN1263
UN proper shipping name
ADR 1263 PAINT (vapour pressure at 50°C not more than 110 kPa)
IMDG, IATA PAINT
Transport hazard class(es)
ADR

Class 3 Flammable liquids.
Label 3

IMDG, IATA

Class 3 Flammable liquids.
Label 3
Packing group
ADR, IMDG, IATA II
Environmental hazards:
Marine pollutant: No
Special precautions for user Warning: Flammable liquids.
Danger code (Kemler): 30
EMS Number: F-E,S-C
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
Transport/Additional information:
ADR
Tunnel restriction code D/E

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations:

Technical instructions (air):

Class	Share in %
I	0.2
NK	46.9

Waterhazard class:
Water hazard class 2 (Self-assessment): hazardous for water.

Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

16. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

R10	Flammable.
R11	Highly flammable.
R20/21	Harmful by inhalation and in contact with skin.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Revision Date	15/05/2017