

# ST PANEL CLEANER - 205

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name : ST Panel Cleaner - 205

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Pretreatment agent

### 1.3. Details of the supplier of the safety data sheet

Fixfast Ltd  
Merlin House  
Seven Mile Lane  
Borough Green  
Sevenoaks  
Kent  
TN15 8QY

### 1.4. Emergency telephone number

Emergency telephone number +44 (0)845 450 7433 (Monday - Friday, normal office hours only)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Type of product : Mixture

#### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2

H225: Highly flammable liquid and vapour.

Eye irritation, Category 2

H319: Causes serious eye irritation.

Specific target organ toxicity

H336: May cause drowsiness or dizziness.

- single exposure, Category 3,

Central nervous system

## 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)



Hazard pictograms:

Signal word:

Danger

Hazard statements:

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

Precautionary statements:

#### Prevention:

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233

Keep container tightly closed.

P261

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P280

Wear protective gloves/ eye protection/ face protection.

#### Response:

P303 + P361 + P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370 + P378

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

- 200-661-7 isopropanol

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical Name CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
isopropanol 67-63-0 200-661-7 01-2119457558-25-XXXX	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	$\geq 50 - \leq 100$
titanium tetrabutanolate 5593-70-4 227-006-8 01-2119967423-33-XXXX	Flam. Liq.3; H226 Skin Irrit.2; H315 Eye Dam.1; H318 STOT SE3; H336 STOT SE3; H335	$\geq 1 - < 2,5$

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice:

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled:

Move to fresh air. Consult a physician after significant exposure.

#### In case of skin contact:

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.

#### In case of eye contact:

Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

#### If swallowed:

Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms and effects, both acute and delayed

**Symptoms :** Excessive lachrymation Loss of balance Vertigo See Section 11 for more detailed information on health effects and symptoms.

**Risks :** irritant effects  
  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical  
Unsuitable extinguishing media : Water

#### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Further information : Use water spray to cool unopened containers.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Remove all sources of ignition.  
Deny access to unprotected persons.  
  
Beware of vapours accumulating to form explosive concentrations.  
Vapours can accumulate in low areas.

## 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.

## 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## 6.4 Reference to other sections

For personal protection see section 8.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

### Advice on safe handling:

Do not breathe vapours or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharge. Open drum carefully as content may be under pressure. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Follow standard hygiene measures when handling chemical products

### Advice on protection against fire and explosion:

Use explosion-proof equipment. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.

### Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

## 7.2 Conditions for safe storage, including any incompatibilities

### Requirements for storage areas and containers :

Store in cool place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.

### Other data:

No decomposition if stored and applied as directed.

### 7.3. Specific end use(s)

Specific use(s): No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Components with workplace control parameters

Components	CAS-No.	Value	Control parameters *	Basis *
isopropanol	67-63-0	TWA	400 ppm 999 mg/m <sup>3</sup>	GB EH40
		STEL	500 ppm 1.250 mg/m <sup>3</sup>	GB EH40

### 8.2 Exposure controls

#### Personal protective equipment

##### Eye protection:

Safety glasses with side-shields  
Eye wash bottle with pure water

##### Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.

Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (0,4 mm), Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.

##### Skin and body protection:

Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.

##### Respiratory protection:

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure).

This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

### Environmental exposure controls

General advice : Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance :	liquid
Colour :	colourless
Odour :	alcohol-like
Odour Threshold :	No data available
Flash point :	ca. 12 °C
Autoignition temperature :	No data available
Lower explosion limit :	2 %(V)
Upper explosion limit :	12 %(V)
Flammability :	No data available
Oxidizing properties :	No data available
pH :	ca. 7 at 20 °C
Melting point/range / Freezing point :	No data available
Boiling point/boiling range :	82,4 °C
Vapour pressure :	ca.45 hPa
Density :	ca.0,783 g/cm <sup>3</sup> at 20 °C
Water solubility :	soluble
Partition coefficient:	noctanol/water : No data available
Viscosity, dynamic :	No data available
Viscosity, kinematic :	< 20,5 mm <sup>2</sup> /sat 40 °C
Relative vapour density :	No data available
Evaporation rate :	No data available

### 9.2 Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

## 10.2 Chemical stability

The product is chemically stable.

## 10.3 Possibility of hazardous reactions

Hazardous reactions:           Stable under recommended storage conditions.  
  Vapours may form explosive mixture with air.

## 10.4 Conditions to avoid

Conditions to avoid: Heat, flames and sparks.

## 10.5 Incompatible materials

Materials to avoid : No data available

## 10.6 Hazardous decomposition products

Hazardous decomposition products:       No decomposition if stored and applied as directed.

# SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

### Acute toxicity

Not classified based on available information.

### Skin corrosion/irritation

Not classified based on available information.

### Serious eye damage/eye irritation

Causes serious eye irritation.

### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

### STOT - single exposure

May cause drowsiness or dizziness.

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.



## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

European Waste Catalogue: 08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances

Contaminated packaging: 15 01 10\* packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

### ADR

<b>14.1 UN number :</b>	1219
<b>14.2 Description of the goods :</b>	Isopropanol
<b>14.3 Class :</b>	3
<b>14.4 Packing group :</b>	II
Classification Code :	F1
Labels :	3
<b>14.5 Environmentally hazardous :</b>	no

### IATA

<b>14.1 UN number :</b>	1219
<b>14.2 Description of the goods :</b>	Isopropanol
<b>14.3 Class :</b>	3
<b>14.4 Packing group :</b>	II
Labels :	3
<b>14.5 Environmentally hazardous :</b>	no

### IMDG

<b>14.1 UN number :</b>	1219
<b>14.2 Description of the goods :</b>	ISOPROPANOL
<b>14.3 Class :</b>	3
<b>14.4 Packing group :</b>	II
Labels :	3
EmS Number 1 :	F-E
EmS Number 2 :	S-D
<b>14.5 Marine pollutant :</b>	no

### 14.6 Special precautions for user

No data available

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on : Not applicable  
the market and use of certain dangerous substances,  
preparations and articles (Annex XVII)

REACH - Candidate List of Substances of Very High : None of the components are listed(=> 0.1 %).  
Concern for Authorisation (Article 59).

REACH - List of substances subject to authorisation : Not applicable  
(Annex XIV)

REACH Information:

All substances contained in our Products are

- preregistered or registered by our upstream suppliers, and/or
- preregistered or registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-  
accident hazards involving dangerous substances.

P5c	FLAMMABLE LIQUIDS	Quantity 1 5.000 t	Quantity 2 50.000 t
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VOC-CH (VOCV) : 97,99 %

VOC-EU (solvent) : 97,99 %

If other regulatory information applies that is not already provided elsewhere in the Safety Data  
Sheet, then it is described in this subsection.

Health, safety and environmental : The Chemicals (Hazard Information and Packaging for Supply)  
Regulations 2002 Control of Substances Hazardous to Health  
Regulations 2002 The Management of Health and Safety at Work  
Regulations 1999 Health and Safety at Work Act 1974 Environmental  
Protection Act 1990 & Subsidiary Regulations

### 15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

### Full text of H-Statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

### Full text of other abbreviations

Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquids
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
CAS	Chemical Abstracts Service
DNEL	Derived no-effect level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LD50	Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
LC50	Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted no effect concentration
REACH	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
SVHC	Substances of Very High Concern
vPvB	Very persistent and very bioaccumulative

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version !