



## SAFETY DATA SHEET

**Compilation date:**

compiled according to Regulation (EC) No. 453/2010

16/04/15

**Revision:**

1\*

### 1. Identification of the Substance/Preparation and of the Company/Undertaking

#### 1.1. Product identifier

Product form:

Mixture

**Trade name :****Platinum Professional Stain Pro2 (Laundry Destainer)**

Product group :

Trade product

**Product code :****PP/SP2/10**

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

##### 1.2.1. Relevant identified uses

Main use category :

Professional use

Function or use category :

Washing and cleaning products (including solvent based products).

##### 1.2.2. Uses advised against

No additional information available

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

**Company Name:****Platinum Professional (SW) Ltd.  
Unit 3, Anchor Buildings,  
5, Battle Road,  
Heathfield Ind. Est.,  
Newton Abbott, Devon  
TQ12 6RY  
Tel: 01626 834560**

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]

Ox. Sol. 2: H272;

Acute Tox. 4: H302;

Eye Dam. 1: H318

#### 2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

O: R8; Xn: R22; Xi: R41

### 2.2 Label Elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictograms (CLP)



Signal word (CLP):

Danger

Hazard Statements (CLP):

H272: May intensify fire; oxidiser.

H302: Harmful if swallowed.

H318: Causes serious eye damage.

Precautionary Statements (CLP):

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.



P220: Keep/Store away from clothing/combustible materials.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P370+378: In case of fire: Use water for extinction.  
 P401: Store in a dry place at temperatures not exceeding 40oC / 104oF.

The full texts for all R-, H- and EUH-phrases are displayed in Section 16 'Other Information'.

### 2.3 Other Hazards

Other hazards not contributing to the classification:

No presence of PBT and vPvB ingredients.

### 3. Composition/information on ingredients:

Common Name	CAS No./ EC No.	Classification According to Directive 67/548/EEC	Conc (%)
SODIUM CARBONATE	497-19-8 207-838-8	Xi; R36.	5 - 15%
SODIUM CARBONATE PEROXIDE	15630-89-4 239-707-6	Xn; R22. Xi; R36, R38. O; R8	50 - 90%
SODIUM SILICATE PENTAHYDRATE	6834-92-0 229-912-9	C; R34, Xi: R37	5 - 15%

  

Common Name	CAS No./ EC No.	Classification According to (EC) 1272/2008 (CLP)	Conc (%)
SODIUM CARBONATE	497-19-8 207-838-8	Eye Irrit. 2, H319	5 - 15%
SODIUM CARBONATE PEROXIDE	15630-89-4 239-707-6	Ox Sol. 3, H272 Acute Tox. 4, H302 Eye Dam. 1, H318	50 - 90%
SODIUM SILICATE PENTAHYDRATE	6834-92-0 229-912-9	Skin Corr. 1B, H314 STOT SE3, H335	5 - 15%

The full texts for all R-, H- and EUH-phrases are displayed in Section 16 'Other Information'.

### 4. First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention, and discontinue use of product.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a doctor.

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

Symptoms/injuries after inhalation : May cause irritation of the mucous membranes and respiratory system. May cause



Symptoms/injuries after skin contact :	shortness of breath, sneezing and coughing. High concentrations are irritant to the respiratory tract. Prolonged or repeated exposure may cause ulceration and perforation of the nasal septum.
Symptoms/injuries after eye contact :	Irritation or pain may occur at the site of contact. There may be redness or whiteness of the skin in the area of exposure. Blistering may occur. There may be irritation and redness. There may be severe pain. Corneal burns may occur. The eyes may water profusely. Repeated exposure may cause chronic eye irritation.
Symptoms/injuries after ingestion :	Harmful if swallowed. There may be soreness and redness of the mouth and throat. May cause irritation of the gastrointestinal tract. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

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

Refer to section 4.1. Show this safety data sheet to the doctor in attendance. Eye bathing equipment should be available on the premises.

#### 5. Fire fighting measures

**Extinguishing media:** Water. Water spray. Water fog. Carbon dioxide. Use water spray to cool containers. Do not use foam. Do not use dry chemical powder.

**Special hazards:** Oxidising. Corrosive. Harmful. Oxidising material, release of oxygen may support combustion. Heating causes increase in pressure, and risk of ignition and explosion. Liberates oxygen easily when heated and may cause fire or explosions in contact with combustible material. Material is not flammable but mixture with combustible materials are readily ignited. Keep containers exposed to fire cool with water spray.

**Special protective equipment:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### 6. Accidental release measures

##### Personal precautions:

Wear suitable protective clothing. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Remove all incompatible materials as outlined in section 10 of SDS. Do not create dust.

##### Environmental precautions:

Although this product is suitable for down the drain disposal it is advised that as much of the solid is contained and scooped up, before final dispersal of any residue with water.

##### Methods and material for containment and clean-up:

Prevent leakage into sewers or surface water by utilising bunding, absorbent booms, drain covers and soil or sand dikes. Contact appropriate environmental protection agencies, (Environment Agency in the UK) and local water authorities if significant contamination occurs.

For small and large spills: scoop spillage into suitable plastic containers and rework/dispose as per local legislation.

#### 7. Handling and storage

##### 7.1. Precautions for safe handling

**Handling requirements:** Wear suitable protective clothing. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid contact with the material and breathing its dust. Isolate all sources of ignition. Ensure that contaminated clothing is thoroughly laundered prior to re-use.

##### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Avoid exposure to sources of heat greater than 40 oC. Keep container tightly closed. Avoid incompatible materials and conditions - see section 10 of SDS. Do not store near foodstuffs.

**Suitable packaging:** Must only be kept in original packaging. Stainless steel. Polyethylene. Glass. Plastic. Plastic-lined.

##### 7.3. Specific end use(s)

**Specific end use(s):** No special requirement.

#### 8. Exposure controls / personal protection

##### 8.1. Control parameters

###### Workplace exposure limits:

UK 8 hour TWA 15 min.

###### Respirable dust

STEL 8 hour TWA 15 min. STEL  
4 mg/m<sup>3</sup>



### 8.1. DNEL/PNEC Values

#### SODIUM PERCARBONATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	5 mg/m3	Workers	Local
DNEL	Dermal	12.8 mg/cm2	Workers	Local
DNEL	Dermal	6.4 mg/cm2	Consumers	Local
PNEC	Environmental: Water	35 g/l	-	-
PNEC	Environmental: STP	16 mg/l	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection:** Respiratory protective device with particle filter. Particle filter class P2S (EN143).

**Hand protection:** PVC gloves. Butyl gloves. Nitrile gloves. Rubber gloves. Neoprene gloves.

**Eye protection:** Safety goggles. Face-shield. Ensure eye bath is to hand.

**Skin protection:** Wear full chemical suit. Wear wellingtons.

**Environmental:** No special requirement.

### 9. Physical and chemical properties

<b>State:</b>	Crystal or crystalline powder.
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Evaporation rate:</b>	Not Applicable.
<b>Oxidising:</b>	Oxidising (by EC criteria)
<b>Solubility in water:</b>	Soluble
<b>Viscosity:</b>	Not Applicable.
<b>Melting point/range°C:</b>	SADT @ > 50
<b>Part.coeff. n-octanol/water:</b>	-1.57
<b>Relative density:</b>	0.9 - 1.1 g/ml Bulk
<b>pH:</b>	10.4 - 10.6 (1%)

### 9.2. Other information

**Other information:** Product is not flammable. Contact with combustible material may cause fire. No further information available at this time.

### 10. Stability and reactivity

#### 10.1. Reactivity:

**Reactivity:** Stable under recommended transport or storage conditions.

#### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

#### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames. Sparks. Moist air. Humidity. Moisture. Contact with combustible materials may cause fire.

#### 10.5. Incompatible materials

**Materials to avoid:** Water. Acids. Alkalis. Reducing agents. Organic materials. Combustibles. Heavy Metal Salts. Do not mix with other cleaning products unless advised to do so by a professional from the industry.

#### 10.6. Hazardous decomposition products

**Haz. decomp. products:** Will liberate Oxygen which may increase risk of fire and/or explosion. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 11. Toxicological information

#### 11.1. Information on toxicological effects

**Toxicity values:**

Route	Species	Test	Value	Units
SKN	RBT	LD50	> 2000	mg/kg
ORL	RAT	LD50	1034	mg/kg

**Relevant hazards for substance:**

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Based on test data
Serious eye damage/irritation	OPT	Based on test data

**Symptoms / routes of exposure**

**Skin contact:** Irritation or pain may occur at the site of contact. There may be redness or whiteness of the skin in the area of exposure. Blistering may occur.

**Eye contact:** There may be irritation and redness. There may be severe pain. Corneal burns may occur. The eyes may water profusely. Repeated exposure may cause chronic eye irritation.

**Ingestion:** Harmful if swallowed. There may be soreness and redness of the mouth and throat. May cause irritation of the gastrointestinal tract. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

**Inhalation:** May cause irritation of the mucous membranes and respiratory system. May cause shortness of breath, sneezing and coughing. High concentrations are irritant to the respiratory tract. Prolonged or repeated exposure may cause ulceration and perforation of the nasal septum.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure. Delayed effects can be expected after long-term exposure. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

**Other information:** There is no further information at this time.

**12. Ecological information****12.1. Toxicity****Ecotoxicity values:**

Species	Test	Value	Units
Fish (Pimephales promelas)	96H LC50	70.7	mg/l
Daphnia magna	48H EC50	4.9	mg/l
ALGAE (Crupina vulgaris)	72H EC50	7.7	mg/l
Daphnia magna	48Day NOEC	2.0	mg/l
ALGAE (Crupina vulgaris)	72H NOEC	0.3	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** The product is inorganic so can not be biodegradable, however it is expected to degrade or disassociate. Product will at minimum partially degrade on contact with water.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** Low potential to bioaccumulate.

**12.4. Mobility in soil**

**Mobility:** Non-volatile. Soluble in water. Product is highly mobile in soil.

**12.5. Results of PBT and vPvB assessment****Persistence (P-):**

**Persistence result:** not P

**Bioaccumulation (B-):**

**Bioaccumulation result:** not B

**Toxicity (T-):**

**NOEC for marine or freshwater organisms:**

mg/l

>0.1

**Toxicity result:**

not T

**PBT identification:** This product is not identified as a PBT substance.

**12.6. Other adverse effects**



**Other adverse effects:** Large doses causes high/low pH which may affect effluent and sewage treatment processes. Discharge of large quantities may kill fish and other aquatic life due to increase/decrease in pH. Do not allow to enter watercourses or soils. Spillage in sewers or waterways must be avoided.

### 13. Disposal considerations

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** No information available at this time.

**Disposal of packaging:** Contaminated containers must not be treated as household waste. Where practical, containers and packaging should be recycled by a licenced contactor. **NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### Section 14: Transport information

#### 14.1. UN number

**UN number:** UN3378

#### 14.2. UN proper shipping name

**Shipping name:** SODIUM CARBONATE PEROXYHYDRATE

#### 14.3. Transport hazard class(es)

**Transport class:** 5.1

#### 14.4. Packing group

**Packing group:** III

#### 14.5. Environmental hazards

**Environmentally hazardous:** No                      **Marine pollutant:** No

#### 14.6. Special precautions for user

**Special precautions:**

**Tunnel code:** E

**Transport category:** 3

**IMDG seg. group:**

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk:** Not Applicable.

### 15. Regulatory information

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

##### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions. Contains no substance on the REACH candidate list

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### 16. Other information

Usage and handling instructions are not mentioned on this Material Safety Data Sheet. The labelling of the product is indicated in Section 2.2.

The full text of the R-, H- and EUH-phrases indicated in this safety data sheet are as follows:

R8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

R36 Irritating to eyes.



R36/38 Irritating to eyes and skin.  
R38 Irritating to skin.

Acute Tox. 4 (Oral):	Acute toxicity (oral), Category 4
Eye Dam. 1:	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2:	Serious eye damage/eye irritation, Category 2
Ox. Sol. 3:	Oxidising Solids, Category 3
Skin Irrit. 2:	Skin corrosion/irritation, Category 2
STOT SE 3:	Specific target organ toxicity- single exposure, Category 3, Respiratory tract irritation

H272	May intensify fire; oxidiser
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation

The information given has been compiled with reference to the Chemicals (Hazard Information & Packaging For Supply) Regulations (CHIP4) 2009 as amended, the Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) Regulations, as amended, the Control of Substances Hazardous to Health Regulations (COSHH) 2002, as amended, and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. This information also harmonises the provisions and criteria for the classification and labelling of substances, mixtures and certain specific articles within the Community, taking into account the classification criteria and labelling rules of the GHS.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.