SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Revision number	2
Revision date	10th June 2021
Supersedes date	June 2012
SDS number	SDS5021

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

1.1 Product Identifier

Product name	Photo Stencil De-Coating Agent
Product Code(s)	P551
Other Details	Stencil Strip Liquid

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

Uses advised against	Not applicable.

1.3 Details of the supplier of the safety data sheet

Supplier	Specialist Crafts Ltd Hamilton House Mountain Road Leicester LE4 9HQ United Kingdom Email purchasing@specialistcrafts.com Telephone +44 (0)116 269 7711

1.4 Emergency telephone number

Emergency telephone	+44 (0)116 269 7711 This telephone number is available during office hours only, 09:00 to 17:00 GMT, Monday to Friday, excluding UK bank holidays and weekends. Language English

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification	Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Skin Corr. 1, H314 Eye Dam. 1, H318 See Section 16 for the full text of the H statements declared above.
Physical Hazards	No further information.
Health Hazards	No further information.
Environmental Hazards	No further information.

2.2 Label Elements

Hazard Statements	Causes severe skin burns and eye damage.
Signal Word	Danger 
EU Specific Hazard Statements	No further information.
Precautionary Statements	Prevention Wear protective gloves. Wear eye or face protection. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Response IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. Storage Not applicable. Disposal Dispose of contents and container in accordance with all local, regional, national and international regulations. Hazardous ingredients sodium periodate
Other information	No further information.

2.3 Other Hazards

Other Hazards	None Known.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substances	Mixture.

3.2 Mixtures

Mixtures See below

Product / ingredient name	Identifiers	%	Classification (Regulation (EC) No. 1272/2008 (CLP))	Type (1).
sodium periodate	EC: 232-197-6 CAS: 7790-28-5	0.2 < 0.4	Ox. Sol. 1, H271 Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT RE 1, H372 (thyroid) Aquatic Acute 1, H400 (M=1)	[1]
sulphuric acid	EC: 231-639-5 CAS: 7664-93-9 Index: 016-020-00-8	< 0.1	Skin Corr. 1A, H314 Eye Dam. 1, H318 **See Section 16 for the full text of the H statements declared above.**	[1] [2]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General Advice

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

Protection of first aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Inhalation	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin Contact	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with room temperature water for at least 15 minutes, keeping eyelids open. In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes.
Ingestion	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

General Advice	There are no data available on the mixture itself. Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details. Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system.
Symptoms	Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.
Effects	Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. 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.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific Treatments	No specific treatment.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media	Use dry chemical, CO_2, water spray (fog) or foam.
Unsuitable Extinguishing Media	Do not use water jet.

5.2 Specific Hazards arising from the substance or mixture

Specific Hazards arising from the chemical	Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
Hazardous combustion products	Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

5.3 Advice for fire fighters

Protective actions during firefighting	Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.
Special protective equipment for fire fighters	Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
Other information	No further information.
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Environmental precautions	Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Methods of containment	Contain and collect spillage with non-combustible, absorbent material e.g., sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.
Methods of cleaning up	See 6.3

6.4 Reference to other sections

Reference to other sections	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment.

	See Section 13 for additional waste treatment information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advice on safe handling	Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. To dissipate static electricity during transfer, earth drum and connect to receiving container with bonding strap. Operators should wear antistatic footwear and clothing and floors should be of the conducting type. Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws.
General hygiene considerations	No further information.

7.2 Conditions for safe storage, including and incompatibilities

Storage conditions	Store between the following temperatures: 5 - 35 °C Store in accordance with local regulations. Notes on joint storage Keep away from: oxidising agents, strong alkalis, strong acids. Additional information on storage conditions Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking.

	Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Storage Class	No further information

7.3 Specific End Use(s)

Risk management methods	No further information.
Other information	No further information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits	Product/ingredient name: sulphuric acid Exposure limit values: EH40/2005 WELs (United Kingdom (UK), 8/2018). TWA: 0.05 mg/m³ 8 hours. Form: Solution Recommended monitoring procedures If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required. No DELs available. No PEC's available.

8.2 Exposure controls

Protective equipment	Personnel should wear antistatic clothing made of natural fibres or of high- temperature-resistant synthetic fibres.
Appropriate engineering controls	Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these

	are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.
Eye/Face Protection	Use safety eyewear designed to protect against splash of liquids. Use eye protection according to EN 166.
Hand protection	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Wear suitable gloves tested to EN374. There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Gloves; Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.
Respiratory Protection	If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
Environmental Exposure Controls	Do not allow to enter drains or watercourses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Odour	Characteristic.
Odour threshold	Not applicable.
pH	3
Melting/freezing point	Not applicable.
Initial boiling point and boiling range	Lowest known value: 100°C (212°F)
Flash point	Not applicable.
Evaporation rate	<1 (water) compared with butyl acetate.

Flammability (solid; gas)	No further information.
Upper/lower flammability or explosive limits	No further information.
Vapour pressure	0.13 kPa (1 mm Hg)
Vapour density	Not tested.
Relative density	1
Solubility(ies)	Not tested.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not applicable.
Viscosity	Not tested.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

9.2 Other information

Other information	No additional information.

SECTION 10: Exposure controls/personal protection

10.1 Stability and Reactivity

Stability and reactivity	No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical Stability

Chemical Stability	Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Conditions to avoid	When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials

Incompatible materials	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

10.6 Hazardous decomposition products

Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	There are no data available on the mixture itself. Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details. Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. 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. Product/ingredient name: sulphuric acid Result: LD50 Oral Species: Rat Dose: 2140 mg/kg Exposure: -
Skin corrosion/irritation	Not determined - Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Serious eye damage/irritation	Not determined - Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Skin sensitisation	Not determined - Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Respiratory sensitisation	Not determined - Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Germ cell mutagenicity	Not determined - Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Carcinogenicity	Not determined - Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Reproductive toxicity	Not determined - Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Aspiration hazard	Not determined - Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Specific Target Organ Toxicity (Single and Repeated Exposure)	
STOT - single exposure	Not determined - Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
STOT - repeated exposure	Product/ingredient name: sodium periodate Category: Category 1 Route of exposure: Not determined Target organs: thyroid.
Information on likely routes of exposure	
Inhalation	No further information.
Skin contact	No further information.
Eye contact	No further information.
Ingestion	
Symptoms related to the physical, chemical and toxicological characteristics	
Symptoms related to the physical, chemical and toxicological characteristics	No further information.

SECTION 12: Ecological information

12.1 Toxicity

sulphuric acid	Acute LC50 42500 µg/l Marine water Acute LC50 42000 µg/l Fresh water	Crustaceans - Pandalus montagui – Adult Fish - Gambusia affinis – Adult	48 hours 96 hours

12.2 Persistence and degradability

Persistence and degradability	Not available.

12.3 Bioaccumulative potential

Bioaccumulative potential	Not available.

12.4 Mobility in soil

Mobility in soil	Not available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not applicable.

12.6 Other adverse effects

Other adverse effects	No known significant effects or critical hazards.

SECTION 13: Disposal Conditions

13.1 General Information

General Information	Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

	For further information, contact your local waste authority.

13.2 Disposal Methods

Disposal Methods	Product The generation of waste should be avoided or minimised wherever possible. 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. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Packaging The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Special Precautions This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

13.3 Waste Class

Waste Class	No further information.

SECTION 14: Transport Information

General Information

Generally for limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.
Road transport notes refer to the Dangerous Goods List for information on any Special Provisions 216.
Sea transport notes refer to the Dangerous Goods List for information on any Special Provisions 216.
Air transport notes refer to the Dangerous Goods List for information on any Special Provisions A46.

14.1 UN Number

UN No. (ADR/RID)	UN3264
UN No. (IMDG)	UN3264
UN No. (IATA)	UN3264
UN No. (ADN)	UN3264

14.2 UN proper shipping name

UN Proper shipping name (ADR/RID)	CORROSIVE LIQUID, ACIDIC, INORGANIC NOS (Sodium Metaperiodate, Sulphuric acid)
UN Proper Shipping Name (IMDG)	CORROSIVE LIQUID, ACIDIC, INORGANIC NOS (Sodium Metaperiodate, Sulphuric acid)
UN Proper Shipping Name (IATA)	CORROSIVE LIQUID, ACIDIC, INORGANIC NOS (Sodium Metaperiodate, Sulphuric acid)
UN Proper Shipping Name (ADN)	CORROSIVE LIQUID, ACIDIC, INORGANIC NOS (Sodium Metaperiodate, Sulphuric acid)

14.3 Transport Hazard Class(es)

ADR/RID class	No further information.
ADR/RID classification code	8
ADR/RID label	
IMDG class 4.1	8 
ICAO class/division	No further information.
ADN class	8 
Transport labels	

14.4 Packing Group

ADR/RID Packing Group	II
IMDG Packing Group	II
IATA Packing Group	II
ADN Packing Group	II

14.5 Environmental Hazards

Environmentally hazardous substance/marine pollutant	No
Other Environmental Hazards	No

14.6 Special Precautions for User

General Special Precautions	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
EmS	No further information.
ADR transport category	No further information.
Emergency Action Code	No further information.
Hazard Identification Number	No further information.
Tunnel Restriction Code	E

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not available.

SECTION 15: Regulatory information

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

National Regulations	No further information.
EU Regulations	EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation Substances of very high concern None of the components are listed. Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable. 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 national health and safety at work regulations apply to the use of this product at work.

15.2 Chemical Safety Assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa.

Chemical Safety Assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

16.1 Hazard statements in full

ATE	= Acute Toxicity Estimate
CLP	= Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL	= Derived No Effect Level
EUH	statement = CLP-specific Hazard statement
PNEC	= Predicted No Effect Concentration
RRN	= REACH Registration Number

Classification	Justification
Skin Corr. 1, H314	On basis of test data
Eye Dam. 1, H318	On basis of test data
STOT RE 1, H372	Calculation method

H271 May cause fire or explosion; strong oxidiser.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.

Aquatic Acute 1, H400 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Eye Dam. 1, H318 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 Ox. Sol. 1, H271 OXIDISING SOLIDS - Category 1
Skin Corr. 1, H314 SKIN CORROSION/IRRITATION - Category 1
Skin Corr. 1A, H314 SKIN CORROSION/IRRITATION - Category 1A
Skin Corr. 1C, H314 SKIN CORROSION/IRRITATION - Category 1C
STOT RE 1, H372 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1

16.2 Disclaimer

The information presented herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm, in advance of need, that the information is current, applicable, and suitable to their circumstances.

16.3 Revisions

Please note the revision information on page 1 of this document, indicating the last revision date of this data, the revision number and the date this revision supersedes

16.4 References

Suppliers and manufacturers safety data sheets

16.5 Abbreviations and acronyms

Please contact us, in advance of need, should you require clarification of common abbreviations or acronyms used in this safety data sheet

END OF SAFETY DATA SHEET