Bray Group Ltd.

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II
Version 1 Revision Date 13.8.2014

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Caustic Pencil and Caustic Applicator

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

Identified uses : Caustic pencils or applicators consisting of plastic handles bearing small active tips of various forms of toughened silver nitrate for medicinal use in the treatment of warts, verrucae, granulation tissue, for cautery and as a medicinal caustic

This safety data sheet covers the following product codes:

75, 75/L, 75/S, 77, 80, 80/C, 80/L, 80/S, 80/R, 80/W, 81, 82, 83, 90, 453, 680, 1656, 1657, 1658, 6240, 7382, 7383, 7482, 7483, 7600, 118-395, 2258025

1.3 Details of the supplier of the safety data sheet

Company : Bray Group Ltd.
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Faringdon
Oxfordshire
SN7 7BX
UNITED KINGDOM

Telephone : 44 (0) 1367 240736

Website : www.bray.co.uk

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to Regulation (EC) No.1272/2008 and European Directive 67/548/EEC (as amended):

Caustic Pencils and Caustic Applicators are classified as articles under both EC/1272/2008 and 67/548/EEC, and therefore not classified as hazardous under EC/1272/2008 or 67/548/EEC. They are also classified as medicinal products so in accordance with Article 2(6)(a) of EC1907/2006 (as amended) so the provisions of Title IV and Annex II of the REACH Regulations shall not apply.

The active tip contains silver nitrate fused with potassium nitrate which is corrosive; the tip makes up a small proportion of the overall product. The details within this safety data sheet correspond to the hazardous properties of the tip rather than of the whole article.

The components of the tip are considered to be oxidising agents in their pure form but the bulk product in the form supplied is not classified as an oxidising agent.

2.2 Label elements

The product does not need to be labelled in accordance with EC/1272/2008 or respective national laws.

2.3 Other hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Article

Caustic pencils and Caustic applicators are classified as articles, contain no substances listed in Annex XIV or substances on the candidate list in accordance with Article 59(10) of the REACH Regulations and therefore not notifiable under EC/1907/2006 and not reportable under Article 31 of EC/1907/2006.The components below are present within the active tips of the products.

Component	Classification	Concentration
Silver Nitrate		
CAS-No. 7761-88-8 EC-No. 231-853-9 Index-No. 047-001-00-2	Ox. Sol. 2, H272; Skin Corr.1B; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 O; R8, C; R34, N; R50/53	Up to 100%
Potassium Nitrate		
CAS-No. 7757-79-1 EC-No. 231-818-8 Index-No. [-]	Ox. Sol. 3, O: R8	Up to 100%

4. FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled
Very unlikely route of exposure. If dust from broken or damaged tips is inhaled move person into fresh air and if irritation persists seek medical attention.

In case of skin contact
Wash off with soap and plenty of water. If irritation persists seek further medical attention.

In case of eye contact
May cause mechanical irritation or damage as well as chemical damage. In case of eye contact flush eye thoroughly with plenty of water for at least 15 minutes while seeking immediate medical attention.

If swallowed
Not a likely route of exposure. If exposure occurs however, seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The product when handled and used in its intended form poses minimal risk of harm to human health.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

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5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water fog or spray, alcohol-resistant foam, dry chemical or carbon dioxide suitable for other any other materials present that may be involved in a fire.

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Do not breathe decomposition products and fumes. Use approved self-contained breathing apparatus. Wear fire retardant clothing. Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus Use water spray to cool containers. Prevent runoff from fire control from entering waterways. Large fires should only be dealt with by trained personnel.

5.4 Further information

No data available.

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use suitable personal protective equipment (refer to Section 8 for details). Avoid breathing vapours or mists. Ensure adequate ventilation.

6.2 Environmental precautions

Do not let product enter drains or watercourses.

6.3 Methods and materials for containment and cleaning up

Place contaminated or expended materials in disposable containers and dispose of in a manner consistent with applicable regulations.

6.4 Reference to other sections

For disposal see section 13.

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7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Use in accordance with product instruction sheets. Do dot remove caustic tips from pencils or applicators.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool dry place and protect from direct sunlight.

7.3 Specific end use(s)

No data available.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with occupational exposure limits
None

8.2 Exposure controls

Appropriate engineering controls
Use in well ventilated areas. Use mechanical ventilation in poorly ventilated areas.

Personal protective equipment

Eye/face Protection
Not generally necessary if used in accordance with product instructions. If eye contact is possible use equipment for eye protection tested and approved under appropriate standards such as EN 166.

Skin Protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Recommended glove types include Nitrile and Polythene gloves.

Body Protection
Specific protection not likely to be necessary under normal use and operating conditions in accordance with product instructions.

Respiratory Protection
Not likely to be necessary under normal use and operating conditions in accordance with product instructions.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Active Caustic tips are generally white/off white but may turn grey or black on prolonged exposure to air.
b)	Odour	None
c)	Odour Threshold	Not applicable
d)	pH	Solutions will be slightly acidic.
e)	Melting point/freezing point	Typically about 150 - 200°C
f)	Initial boiling point and boiling range	No data available. Decomposes at high temperatures.
g)	Flash point	Not applicable
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	Non flammable
j)	Upper/lower flammability or explosive limits	Non-explosive
k)	Vapour pressure	No data available
l)	Vapour density	No data available, will be very low.
m)	Relative density	No data available
n)	Water solubility	Very soluble in water.
o)	Partition coefficient: (n- octanol/water)	No data available, expected to be very low.
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	Not applicable
s)	Explosive properties	None
t)	Oxidizing properties	Mild oxidising properties, not classified as an oxidising agent in accordance with EC/1272/2008 (as amended)

9.2 Other safety information

No data available

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10. STABILITY AND REACTIVITY

10.1 Reactivity

Reacts with acetylene and ammonia solutions to form unstable explosive compounds.

10.2 Chemical stability

Expected to be Stable at normal temperatures and under recommended storage conditions.

10.3 Possibility of hazardous reactions

None expected under normal conditions.

10.4 Conditions to avoid

Light, moisture and high temperatures.

10.5 Incompatible materials

Acetylene, acrylonitrile, ethanol and ammonia solutions. Avoid contact with combustible materials, reducing agents, phosphorus, sulphur, charcoal powder and magnesium.

10.6 Hazardous decomposition products

No hazardous decomposition products when stored and handled correctly.

11. TOXICOLOGICAL INFORMATION (caustic tip material only)

11.1 Information on toxicological effects

Acute toxicity
LD50 (oral) > 2000mg/kg (rat)
LD50 (dermal) > 2000mg/kg (rabbit)
Ingestion can cause chemical burns to mouth, throat and stomach which in severe cases could be fatal if unattended

Skin corrosion/irritation
Primary eye irritant, may cause severe eye damage

Serious eye damage/eye irritation
Primary skin irritant. Uncontrolled exposure in contradiction to product instructions may cause tissue damage, skin burns or ulcerations.

Respiratory or skin sensitisation
No known sensitisation potential.

Germ cell mutagenicity
No known mutagenic potential.

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
No known toxic to reproduction potential.

Specific target organ toxicity - single exposure
Not applicable

Specific target organ toxicity - repeated exposure
Not applicable

Aspiration hazard
Not applicable

Potential health effects - Inhalation, ingestion, skin and eyes
Chronic application of large quantities of silver nitrate products to mucous membranes or open wounds may lead to argyria, and accumulation of silver metal and compounds in the connective tissues, resulting in a local or general greyish or blackish-blue appearance.

Signs and Symptoms of Exposure
None when used in accordance with instructions. Symptoms of silver poisoning include pain in the mouth, throat or stomach, sialorrhoea, diarrhoea, nausea, vomiting, coma or convulsions.

Additional Information
Not available

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12. ECOLOGICAL INFORMATION (Caustic tip material only)

12.1 Toxicity
Very toxic to aquatic life.

12.2 Persistence and degradability
Persistent in the environment.

12.3 Bioaccumulative potential
Unlikely to possess significant bio accumulative potential.

12.4 Mobility in soil
Solutions will be highly mobile in soil.

12.5 Results of PBT and vPvB assessment
Not expected to meet PBT or vPvB criteria.

12.6 Other adverse effects
No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Material is classified as hazardous waste under the Hazardous Waste Regulations 2005 (as amended) and used contaminated articles may be classified as biological waste. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1	**UN number**		
	ADR/RID: -	IMDG: -	IATA: -
14.2	**UN proper shipping name**		
	ADR/RID:	IMDG:	IATA:
	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3	**Transport hazard class(es)**		
	ADR/RID: -	IMDG: -	IATA: -
14.4	**Packaging group**		
	ADR/RID: -	IMDG: -	IATA: -
14.5	**Environmental hazards**		
	ADR/RID: no	IMDG Marine Pollutant: no	IATA: no

14.6 Special precautions for user

No data available

15. REGULATORY INFORMATION

This safety datasheet is exempt from the requirements of Regulation (EC) No. 1907/2006 but follows the principles within Annex II of these regulations.

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

Health & Safety at Work etc. Act 1974
Control of Substances Hazardous to Health Regulations 2002 (as amended)
Chemicals (Hazard Information and Packaging for Supply) Regulations 2009
Classification, Labelling and Packaging of Substances and Mixtures Regulations 2008 (as amended)
EH40/2005 Workplace Exposure Limits (as amended)
Environmental Protection Act 1990
Hazardous Waste Regulations 2005 (as amended)

16. Chemical Safety Assessment

No data available

17. OTHER INFORMATION

Further information

Text of H-code(s) and R-phrase(s) mentioned in Section 3

H272	May intensify fire, oxidiser
H314	Causes severe skin burns and eye damage
R8	Contact with combustible material may cause fire
R34	Causes Burns

Recommended restrictions on use

Use in accordance with manufacturer's technical instructions.

The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for people working with or handling these products. This information is believed to be reliable and updated at Revision Date, and represents the best information currently available and known by Bray Group Ltd. (Bray). However, Bray makes no guarantee or warranty, express or implied, with respect to such information and we assume no liability resulting from its use. The information related herein is based on proper handling and anticipated uses and is for the material without chemical additions or alterations. Users should make their own investigations to determine the suitability of the information for their particular purposes. It is the responsibility of the user to undertake a suitable risk assessment/COSHH assessment prior to using this material.