

Safety Data Sheet

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

Product name: 804 Prebake Solution

Product code: 5270574

Supplier: KODAK LIMITED, Safety Data Sheet Team, Hemel One, Boundary Way, HP2 7YU, Hemel Hempstead

For Health, Safety & Environmental information, write to KODAK LIMITED, Product Safety Advisory Service, Headstone Drive, Harrow, Middlesex, HA1 4TY or telephone (020) 8424 4506.

IN EMERGENCY, telephone: (020) 8427 4380.

For other product information, telephone 01442 261122 or email kes@kodak.com.

Synonyms: None.

Product Use: plate gum, For industrial use only.

2. Hazards identification

Product: Irritant, Dangerous for the environment. Risk of serious damage to eyes. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Weight %	Component	CAS-No.	EINECS-No./ ELINCS No.	Classification
10 - 15	Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt	65143-89-7		Xi, N; R41, R50/53**
1 - 5	Benzenesulfonic acid, oxybis[hexadecyl-, disodium salt	70191-76-3		Xi, N; R41, R50/53**
0.5 - < 1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	Xn, N; R22, R38, R41, R43, R50*

* Symbol and R Phrase according to EC Annex I

** Substance not listed in EC Annex I

4. First aid measures

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration using mouth guards or shields, when available, to avoid mouth-to-mouth contact. If breathing is difficult, give oxygen. Get medical attention.

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes.

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Ingestion: If swallowed, DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control centre immediately.

5. Fire-fighting measures

Extinguishing Media: Dry chemical, Carbon dioxide (CO₂), Water spray, Alcohol-resistant foam.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products.

Hazardous Combustion Products: Carbon oxides, Sulphur oxides, (see also Hazardous Decomposition Products section).

Unusual Fire and Explosion Hazards: None.

6. Accidental release measures

Personal precautions: See Section 8 for recommendations on the use of personal protective equipment.

Environmental precautions: Prevent spillage from entering drains. Absorb spill with vermiculite or other inert absorbant material such as sand or earth, then place in a suitable container for proper disposal. Clean surface thoroughly with water to remove residual contamination.

Waste disposal: Contaminated absorbent should be disposed of in accordance with local regulations.

7. Handling and storage

Personal precautions: Do not breathe vapours or spray mist. Do not get in eyes and avoid contact with skin and clothing. Use only with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials.

Storage: Cool conditions (5 - 30°C). Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

Ventilation: Match ventilation rates to conditions of use so as not to exceed any applicable exposure limits (see Section 8). Good general ventilation of 10 or more room volumes per hour in the work area is recommended.

8. Exposure controls / personal protection

Occupational exposure controls: Not established

Ventilation: Avoid exposure to mists and vapours by mixing solutions in closed vessels and/or under local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Eye protection: Wear safety glasses with side shields (or goggles).

Skin and body protection: Using the information provided in Section 2, seek the advice of the glove supplier as to the most suitable glove material. Avoid skin contact when mixing or handling the substance/preparation or a mixture by wearing impervious gloves and protective clothing appropriate to the risk of exposure.

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Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact:

Material	Thickness	Breakthrough time
Nitrile rubber	>= 0.38 mm	> 480 min
Neoprene	>= 0.65 mm	> 240 min
butyl-rubber	>= 0.36 mm	> 480 min

Avoid natural rubber gloves.

The protective gloves to be used must comply with the specifications of the EC directive 89/686/EEC and the resultant standard EN 374. This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us.

Recommended Decontamination Facilities: Safety shower, eye wash, washing facilities as appropriate to condition of use.

9. Physical and chemical properties

Physical form: liquid

Colour: light brown

Odour: slight

Specific gravity: 1.06

Vapour pressure: no data available

Vapour density: no data available

Volatile fraction by weight: no data available

Boiling point/boilingrange: > 100 °C (212.0 °F)

Melting point/range: < 0 °C (32.0 °F)

Water solubility: soluble

pH: 5.9

Flash point: does not flash

10. Stability and reactivity

Stability: Stable under normal conditions.

Incompatibility: Strong oxidizing agents.

Hazardous decomposition products: Sulphur oxides.

Hazardous Polymerization: Hazardous polymerisation does not occur.

11. Toxicological information

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Effects of Exposure

Inhalation: May cause respiratory irritation.

Eyes: Risk of serious damage to eyes.

Skin: May cause sensitization by skin contact. May cause skin irritation.

Ingestion: May cause irritation of the gastrointestinal tract if swallowed.

Data for 1,2-benzisothiazol-3(2H)-one (CAS 2634-33-5):

Acute Toxicity Data:

- Oral LD50 (rat): 1,020 mg/kg

12. Ecological information

Potential Toxicity:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal considerations

This information is provided to assist users in the correct disposal of working solutions prepared and used to Kodak specifications.

Waste material: Waste material is currently classified as hazardous under Council Directive 91/689/EEC. The European Waste Catalogue Code is 09 01 99 Wastes not otherwise specified. Dispose according to the local regulations or guidelines that apply to the category of waste. Ensure the use of properly authorized waste management companies.

Product containers: If thoroughly cleaned, preferably by rinsing at least three times with small quantities of water, waste product packaging may be consigned for recovery or disposal as non hazardous waste. Whenever possible, minimize waste by using the rinsing water to make up the working solution. The European Waste Catalogue Code is 15 01 02 plastic packaging.

Waste product packaging contaminated by residues of hazardous contents should be consigned for disposal as hazardous waste. In this case, the European Waste Catalogue Code is 15 01 10 packaging containing residues of or contaminated by dangerous substances.

14. Transport information

The information given below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions. Please consult the product packaging for further details.

ADR:	UN Number:	UN3082
	Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt, Quaternary ammonium compounds, (2,3-dihydroxypropyl)bis(hydroxyethyl)tallow alkyl, chlorides)
	Class:	9
	Packaging group:	III

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IATA:	UN Number:	UN3082
	Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt, Quaternary ammonium compounds, (2,3- dihydroxypropyl)bis(hydroxyethyl)tallow alkyl, chlorides)
	Class:	9
	Packaging group:	III
IMDG:	UN Number:	UN3082
	Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt, Quaternary ammonium compounds, (2,3- dihydroxypropyl)bis(hydroxyethyl)tallow alkyl, chlorides)
	Class:	9
	Packaging group:	III
RID:	UN Number:	UN3082
	Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt, Quaternary ammonium compounds, (2,3- dihydroxypropyl)bis(hydroxyethyl)tallow alkyl, chlorides)
	Class:	9
	Packaging group:	III

For more transportation information, go to: www.kodak.com/go/ship.

15. Regulatory information

Notification status

Regulatory List	Notification status
EINECS	n (Negative listing)
TSCA	y (positive listing)
AICS	y (positive listing)
DSL	q (quantity restricted)
ENCS (JP)	n (Negative listing)
KECI (KR)	y (positive listing)
PICCS (PH)	y (positive listing)
INV (CN)	y (positive listing)

A N (Negative listing) indicates one or more component is either not on the public Inventory or is subject to exemption requirements. If additional information is needed contact Kodak.

Labelling:

The data below reflects current legislative requirements whereas the product in your possession may carry a different version of the label depending on the date of manufacture.

Contains: 1,2-benzisothiazol-3(2H)-one 0.0862 %

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pH: 3 - 6



Symbol/Indication of Danger:

Xi: Irritant
N: Dangerous for the environment

Risk Phrases:

R41: Risk of serious damage to eyes.
R43: May cause sensitization by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S24: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eye/face protection.

16. Other information

The following is an explanation of the meaning of the Symbol letters and Risk Phrases for the pure substance(s) referred to in Section 2 of this Safety Data Sheet.

Xi: Irritant
Xn: Harmful
N: Dangerous for the environment

R22: Harmful if swallowed.
R38: Irritating to skin.
R41: Risk of serious damage to eyes.
R43: May cause sensitization by skin contact.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment. The information relating to the working solution is for guidance purposes only, and is based on correct mixing and use of the product according to instructions.
