

Material Safety Data Sheet

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

Product name: SURFACTANT 10G

Product code: 10040914

Supplier: Carestream Health, Inc., 150 Verona Street, Rochester, New York, 14608

For Emergency Health Information call, (800) 424-9300

For other information contact 800-328-2910.

Synonyms: None.

Product Use: Film or paper manufacturing chemical
For industrial use only.

2. Hazards identification

CONTAINS: Nonionic surfactant (not applicable)

WARNING!
CAUSES EYE IRRITATION

NFPA Hazard Ratings: Health - 2, Flammability - 1, Instability - 0

NOTE: NFPA 704 (2007) hazard indexes involves data review and interpretation that may vary among companies. It is intended only for rapid, general identification of the magnitude of the potential hazards. To adequately address safe handling, ALL information in this MSDS must be considered.

3. Composition/information on ingredients

| Weight % | Components (CAS-No.) |
|----------|--------------------------------------|
| 45 - 55 | Nonionic surfactant (not applicable) |

4. First aid measures

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms occur.

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

Skin: Wash off with soap and water. Get medical attention if symptoms occur.

Ingestion: Get medical attention if symptoms occur.

5. Fire-fighting measures

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Extinguishing Media: Water spray, Carbon dioxide (CO₂), Dry chemical, Foam.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: Carbon oxides

Unusual Fire and Explosion Hazards: None.

6. Accidental release measures

Methods for cleaning up: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

7. Handling and storage

Personal precautions: Avoid prolonged or repeated breathing of mist or vapour. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling.

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

Storage: Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

8. Exposure controls / personal protection

Occupational exposure controls: Not established

Ventilation: Good general ventilation should be used. Ventilation should be sufficient so that applicable occupational exposure limits are not exceeded. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances.

Respiratory protection: None should be needed.

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

Skin and body protection: For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

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

9. Physical and Chemical Properties

Physical form: liquid

Colour: colourless amber

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Odour: slight, aromatic

Specific gravity: > 1

Vapour pressure: No data available

Vapour density: No data available

Volatile fraction by weight: 45 - 55 %

Boiling point/range: 93.0 - 103.0 °C (199.4 - 217.4 °F)

Water solubility: No data available

pH: 7 - 8.5

Flash point: does not flash

Autoignition temperature: 466.0 °C (870.8 °F)

10. Stability and reactivity

Stability: Stable under normal conditions.

No exotherm to boiling at 150 psig

Incompatibility: Strong oxidizing agents.

Hazardous decomposition products: None under normal conditions of use.

Hazardous Polymerization: Hazardous polymerization does not occur.

11. Toxicological information

Effects of Exposure

Inhalation: Expected to be a low hazard for recommended handling.

Eyes: Causes eye irritation.

Skin: Expected to be a low hazard for recommended handling.

Ingestion: Causes irritation of the gastrointestinal tract.

12. Ecological information

The following properties are ESTIMATED from the components of the preparations.

Potential Toxicity:

Toxicity to fish (LC50): 10 - 100 mg/l

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Toxicity to daphnia (EC50): 10 - 100 mg/l

Toxicity to algae (IC50): > 100 mg/l

13. Disposal considerations

Discharge, treatment, or disposal may be subject to federal, state, commonwealth, provincial, or local laws. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

Not regulated for all modes of transportation.

For more transportation information, go to: <http://ship.carestreamhealth.com>.

15. Regulatory information

Notification status

| Regulatory List | Notification status | Other information | Not listed |
|-----------------|----------------------|--|---------------------|
| EINECS | n (Negative listing) | - | Nonionic surfactant |
| TSCA | y (positive listing) | On TSCA Inventory | |
| AICS | y (positive listing) | - | |
| DSL | y (positive listing) | All components of this product are on the Canadian DSL list. | |
| ENCS (JP) | n (Negative listing) | - | Nonionic surfactant |
| 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.

Other regulations

| | |
|--|---|
| American Conference of Governmental Industrial Hygienists (ACGIH): | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| International Agency for Research on Cancer (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. |
| U.S. National Toxicology Program (NTP): | No component of this product present at levels greater than or equal to 0.1% is |

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| | |
|---|---|
| | identified as a known or anticipated carcinogen by NTP. |
| U.S. Occupational Safety and Health Administration (OSHA): | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |
| U.S. California Prop. 65: | none |
| US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required: | SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. |
| US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR355, Appendix A): | SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. |
| US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323): | Nonionic surfactant, Water |
| US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000): | No components are subject to Massachusetts Right To Know Act. |
| US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5): | Nonionic surfactant, Water |

16. Other information

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.

US/Canadian Label Statements:

CONTAINS: Nonionic surfactant (not applicable)

WARNING!
CAUSES EYE IRRITATION

Avoid prolonged or repeated breathing of mist or vapour.
Avoid contact with eyes, skin, and clothing.
Use only with adequate ventilation.
Wash thoroughly after handling.

FIRST AID: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. Wash off with soap and water. If symptomatic, move to fresh air. Get medical attention if symptoms occur.

Keep out of reach of children.

Do not handle or use until safety precautions in Material Safety Data Sheet (MSDS) have been read and understood.

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Since emptied containers retain product residue, follow label warnings even after container is emptied.

IN CASE OF FIRE: Use Water spray, Carbon dioxide (CO₂), Dry chemical, Foam.

IN CASE OF SPILL: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

The information contained herein is furnished without warranty of any kind. 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.

R-1, S-2, F-1, C-0