



Material Safety Data Sheet

S18

Company information

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Manufacturerfactory

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Section 1: component identification

Trade name:S18

INCI name:STEARAMIDOPROPYL DIMETHYLAMINE

Section 2: Composition/composition information

INCI NAME	CAS NO.
STEARAMIDOPROPYL DIMETHYLAMINE	20182-63-2

Section III: Hazard Identification

Health hazards: severe eye injury/eye irritation



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Environmental hazards: it harms the aquatic environment and is seriously harmful.

Long-term harm to aquatic environment

OSHA-defined hazards: unclassified.

Hazard Statement: causing eye irritation. Toxic to aquatic organisms. Harmful to aquatic organisms and has long-term effects

Prevention statement prevention:

Keep the container tightly closed. Stay away from heat/spark/open flame/hot surface. No smoking floor/bonding containers and receiving equipment. Use explosion-proof electrical/ventilation/lighting equipment. Use only non-spark tools. Take preventive measures to prevent electrostatic discharge. Clean thoroughly after treatment. Avoid releasing it to the environment. Wear protective gloves/eye protection/face protection.

Response: If the skin (or human hair) is on: take off all contaminated clothes immediately. Rinse the skin with water/shower.

If you enter your eyes carelessly: wash carefully with water for a few minutes. If there are contact lenses, please remove them; Continue to wash. If the eyes continue to stimulate: medical advice/care.

In case of fire: use appropriate medium to extinguish the fire.

Storage: Store in a well-ventilated place. Keep cool

Dispose of goods/containers according to local/regional/national/international regulations.

Hazard (s) Unclassified (HNOC)

Even in bonding and grounding equipment, the accumulation of static electricity flammable liquid will be filled with static electricity. May cause flash or explosion

Additional information: None

Section 4: First aid measures



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Eye contact: immediately flush the eyes with a large amount of water for at least 15 minutes. If there are contact lenses, please remove them; Continue to wash. If the eyes continue to stimulate, seek medical advice/care.

Intake: gargle. When symptoms occur, see a doctor.

The most important symptoms/effects, acute and delayed: May cause red and uncomfortable eyes.

Indicate the need for immediate medical treatment and special treatment

Provide general support measures and treat symptoms.

Hot burns: immediately flush with water. When washing, take off the clothes that do not stick to the affected area. Call an ambulance. Continue flushing while being sent to the hospital. Observe the victims. Symptoms may be delayed.

General information

Take off all contaminated clothes immediately. Ensure that medical personnel understand the materials involved and take preventive measures to protect themselves. Wash contaminated clothes before reuse.

Section 5: fire control measures

Suitable fire extinguishing medium

Water mist foam. Carbon dioxide (CO₂). Dry chemical powder, carbon dioxide and sand can only be used for small fires.

Do not use a sprinkler as a fire extinguisher, as this will spread the fire.

Do not use a sprinkler as a fire extinguisher for inappropriate fire extinguishing media, as this will spread the fire.

Specific hazards caused by chemicals

Steam may form an explosive mixture with air. Steam may spread to a considerable



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distance between the ignition source and flashback. This product has poor conductivity and can be charged with static electricity. Ignition of flammable mixtures may occur if sufficient electricity is accumulated. To reduce the possibility of electrostatic discharge, please use appropriate bonding and grounding procedures. This liquid may accumulate static electricity when filling the correctly grounded container. The presence of a small amount of water or other pollutants may significantly increase electrostatic accumulation. The material will float and may ignite on the water. During a fire, gases harmful to health may be formed.

Special protective equipment and preventive measures for firefighters

In case of fire, you must wear an independent respirator and a full set of protective clothing.

Fire equipment/Instructions

Do not inhale smoke in case of fire and/or explosion. Remove the container from the fire zone if it can be moved without risk

Specific methods, general fire hazards

Use standard fire control procedures and consider the dangers of other related materials. Flammable liquid and steam.

Section 6: Accidental release measures

Personal preventive measures, protective equipment and emergency procedures

Stay away from unnecessary personnel. Keep people away from leaks/leaks. Eliminate all ignition sources (no smoking, flares, sparks or flames in nearby areas). Please wear appropriate protective equipment and clothes during cleaning. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Ventilate them before entering the enclosed space. Use appropriate seals to avoid environmental



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pollution. Transfer recycling tanks or other suitable containers to recycling or safe disposal by mechanical means (such as vacuum trucks). If serious leakage cannot be controlled, local authorities shall be notified. For personal protection, please refer to section 8 of SDS and methods and materials for sealing and cleaning

Eliminate all ignition sources (no smoking, flares, sparks or flames in nearby areas). Take preventive measures to prevent electrostatic discharge. Use only non-spark tools. Keep combustibles (wood, paper, engine oil, etc.) away from spilled materials.

Large overflow: if there is no risk, the material flow is stopped. Where possible, use the spilled materials on the ground. Cover with plastic cloth to prevent diffusion. Use non-combustible materials, such as fluorite, sand or soil, soak the products and put them into containers for daily post-processing. Prevent products from entering the discharge port. After the product is recycled, rinse the area with water.

Small spillage: wipe with absorbent materials (such as cloth and wool). Clean the surface thoroughly and remove residual pollution.

Do not return the overflow to the original container for reuse. For waste treatment, see Article 13 of the waste treatment plan.

- Environmental prevention measures

Avoid releasing it to the environment. If it leaks to the drainage/aquatic environment, please contact the local authorities. If safe, prevent further leakage or overflow. Do not pollute the water. Avoid discharging to drainage ditches, waterways or floors. Use appropriate seals to avoid environmental pollution.

Section 7: processing and storage

- Precautions for safe operation

Steam may form an explosive mixture with air. Do not handle, store, or open it near the



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open flame, heat source, or ignition source. Protect materials from direct sunlight. Do not smoke.

Safe storage conditions, including any incompatibility

Stay away from heat, sparks and open flames. Use common bonding and grounding technologies to prevent static electricity accumulation. Avoid spark starter. Eliminate the ignition source. Ground/adhesive containers and equipment. These alone may not be enough to remove static electricity. Stored in an original tightly enclosed container. Store in a cool and dry place to avoid direct sunlight. Store in a well-ventilated place. Store incompatible materials (see section 10 of SDS). Place in the area with sprinklers.

Section 8: exposure control and personal protection

Appropriate engineering control

Explosion-proof General and partial exhaust ventilation. Good general ventilation should be used (usually 10 air changes per hour). The ventilation rate should match the condition. If applicable, use process housing, local exhaust ventilation or other engineering controls to keep the air level below the recommended exposure limit. If the exposure limit is not determined, the air level is kept at an acceptable level. Eye washing station available.

Personal protection measures, such as personal protection equipment

Goggles/goggles wear safety glasses with side shields (or goggles). Mask.

Skin protection

Hand Protection, wear protective gloves.

Others wear appropriate chemical resistant clothing.

Respiratory Protection: If the ventilation is insufficient, please wear appropriate respiratory equipment. If the engineering control does not keep the concentration in the air below the recommended exposure limit (if applicable) or an acceptable level (in



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countries/regions where the exposure limit has not been determined), an approved respirator must be worn.

Heat hazard: Wear appropriate thermal protective clothing when necessary.

General hygiene precautions

Do not smoke when using. Always observe good personal hygiene measures, such as cleaning after handling materials and before eating, drinking and/or smoking. Regularly clean work clothes and protective equipment to remove pollutants.

Section 9: physical and chemical information

Appearance(25°C)	Flake solid
Physical status	solid
form	flake
color	White to light yellow
Smell (25°C)	Slight characteristic odor
Odor threshold	No date
Total Amine value (mg/KOH/g)	150-160
Acid value	≤4.0
Ph	7.0-10.0
Water-soluble	Soluble
Melting point/freezing point	65°C
Boiling Point	>200°C
Viscosity	N/A
Refractive index	N/A
Volatile matter	No date
Evaporation rate	<1 (Butyl acetate)



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Section 10: stability and reactivity

Reactivity: under normal use, storage and transportation conditions, the product is stable and has no response.

Chemical stability: Under normal conditions, the material is stable.

Possibility of dangerous reaction: under normal use conditions, there is no dangerous reaction.

Conditions to be avoided: Avoid heating, Sparks, open flames and other ignition sources. Avoid temperature exceeding the flash point. Contact incompatible materials.

Incompatible materials: acid, strong oxidant, isocyanate, chlorine.

Hazardous decomposition products: non-hazardous decomposition products are known

Section 11: Toxicological Information

Information on possible contact routes

Inhalation: prolonged inhalation may be harmful.

Skin contact: no adverse effects are expected due to skin contact.

Eye contact: causes eye irritation.

Intake: low intake risk is expected.

Symptoms associated with physical, chemical, and toxicological characteristics: May cause red and uncomfortable eyes.

Respiratory or skin sensitive

Respiratory sensitization: unavailable.

Skin sensitivity: This product is not expected to cause skin sensitivity.

Germ cell mutation: No data shows that the presence of products or any components is mutagenesis or genetic toxicity of more than 0.1%.

Carcinogenic: not applicable.

Overall evaluation of carcinogenicity of IARC Monographs: not listed.

Carcinogen report of China's Toxicology Program (NTP): not listed.

OSHA special regulatory substance (29 CFR 1910.1001-1050)



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Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Toxicity of specific target organs-single Contact: not applicable

Toxicity of specific target organs-repeated exposure: not applicable

Inhalation risk: not applicable

Chronic Effects: prolonged inhalation may be harmful.

Section 12: ecological information

Ecological toxicity: toxic to aquatic organisms. It is harmful to aquatic organisms and has long-term and continuous effects.

Species, species test results

EC50 algae 2.14 mg/liter, 72 hours

EC50 beetle 2.23 mg/liter, 48 hours

LC50 fish 1.9 - 4.9 mg/liter, 96 hours

Persistence and degradability: easy biodegradation.

Bioaccumulation potential: no available data.

Soil mobility: No data available

Other adverse effects: it is expected that this component will have other adverse environmental effects (such as ozone depletion, photochemical ozone generation potential, endocrine disruptions, and global warming potential).

Section 13: Handling precautions

Handling Instructions

Dispose of goods/containers according to local/regional/national/international regulations.

Hazardous waste code

Waste codes should be distributed during discussions among users, producers, and waste



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disposal companies.

Residues/waste from unused products

According to local regulations. Empty containers or gaskets may retain some product residues. This material and its containers must be disposed in a safe manner (see: disposal instructions).

Contaminated packaging: empty containers should be sent to approved waste disposal sites for recycling or disposal. Since empty containers may retain product residues, please follow the label warning even after the containers are cleared.

Section 14: Transportation Information

Packaging Group III

Precautions for transportation: avoid exposure, rain and high temperature during transportation. Stay away from kindling, heat source and high temperature zone when stopping halfway.

Land/highway/Railway: unlimited

Inside, land, water, road: unlimited

Sea, shipping: unlimited

Air, empty: unlimited

Section 15: Regulatory Information

RID/ADR: unregulated.

IMO-IMDG: unregulated.

IATA/ICAO: unregulated.

Section 16: Additional information

This information is not a product description, but a concept of representative value. There is no guarantee or suggestion here. Recommend industry



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Health and Safety treatment procedures are believed to be basically applicable. However, each user should consult the suggestions on the intended usage of this product before using it. And decide whether it is applicable