Material Safety Data Sheet

Oxamyl

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

1.1 Product identifiers

Product name : Oxamyl
CAS No. : 23135-22-0
Chemical Formula : $C_7H_{13}N_3O_3S$

1.2 Details of the supplier of the safety data sheet

Company : Ningbo Huili Import & Export Co., Ltd.
ROOM 1403, No.757, RILI MIDDLE ROAD, YINZHOU, NINGBO, CHINA
Telephone :0086574-87641888
Fax :0086574-87641880

SECTION 2: Hazards identification

GHS Classification: : Acute toxicity, Oral (Category 2), H300;
Acute toxicity, Dermal (Category 3), H311;
Short-term (acute) aquatic hazard (Category 1), H400.

Signal word : Danger

Hazard statement(s)

H300 : Fatal if swallowed.
H311 : Toxic in contact with skin.
H400 : Very toxic to aquatic life.

Precautionary statement(s)

Prevention

P264 : Wash skin thoroughly after handling.
P270 : Do not eat, drink or smoke when using this product.
P273 : Avoid release to the environment.
P280 : Wear protective gloves/ protective clothing.

Response

P301 + P310 + P330 :IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.

P302 + P352 + P312	:IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.
P361 + P364	: Take off immediately all contaminated clothing and wash it before reuse.
P391	: Collect spillage.

SECTION 3: Composition/information on ingredients

Chemical name	CAS No.	Content %
Oxamyl	23135-22-0	95
Others	-	

SECTION 4: First aid measures

Eyes: Flush eyes with water as a precaution.
Skin: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
Swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: Firefighting measures

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Combustible.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

Emergency procedures: Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Material and methods for containment and cleanup procedures: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 7: Handling and storage

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: Exposure controls/personal protection

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye /face Protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
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 applicable laws and good laboratory practices. Wash and dry hands.
Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

SECTION 9: Physical and chemical properties

Appearance	: Colorless crystalline solid
Melting Point	: 100-102 °C
Density	: 0.97 g/cm^3

SECTION 10: Stability and reactivity

Chemical stability: Stable under recommended storage conditions.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: In the event of fire: see section 5.

SECTION 11: Toxicological information

Oral LD_{50}: > 2500 μg/kg (rat).
Skin: No irritant effect.
Eyes: No irritant effect.

SECTION 12: Ecological information

Toxicity to fish: LC50 - Pimephales promelas (fathead minnow) - 5.48 mg/l - 96.0 h.
Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 0.42 mg/l - 48 h.
Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

SECTION 13: Disposal considerations

Waste treatment methods: Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

SECTION 14: Transport information

UN proper shipping name	: Toxic solid, organic, n.o.s. (Oxamyl)
Environmental hazards	: No (ADR/RID)

SECTION 15: Regulatory information

According to local authorities' requirements.

SECTION 16: Other information

None

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