1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

: Furmecyclox Product name

2. HAZARDS IDENTIFICATION

According to Regulation (EC) No1272/2008

Classification of the substance or mixture

Carcinogenicity (Category 2) Acute aquatic toxicity (Category 1) Chronic aquatic toxicity (Category 1)

According to European Directive 67/548/EEC as amended.

Limited evidence of a carcinogenic effect. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Label elements

Pictogram

Signal word Warning

Hazard statement(s) Suspected of causing cancer.

H351

Very toxic to aquatic life with long lasting effects. H410

Precautionary statement(s) P273 Avoid release to the environment.

P281

Use personal protective equipment as required. P501

Dispose of contents/container to an approved waste disposal plant. Hazard symbol(s)

Xn Harmful N Dangerous for the environment

R-phrase(s) R40

Limited evidence of a carcinogenic effect. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) S36/37 Wear suitable protective clothing and gloves. This material and its container must be disposed of as hazardous waste. S60

S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Other hazards - none

: C14H21NO3

: 251,3 g/mol

Formula Molecular Weight

EC-No. CAS-No.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Furme cyclox 60568-05-0 262-302-0

Xn, N, Carc.Cat.3, R40 -R50/53For the full text of the H-Statements mentioned in this Section, see Section 16. 4. FIRST AID MEASURES General advice

Classification

H410

Carc. 2; Aquatic Acute 1; Aquatic Chronic 1; H351,

Concentration

Consult a physician. Show this safety data sheet to the doctor in attendance. If inhaled

In case of skin contact

In case of eye contact

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

Wash off with soap and plenty of water. Consult a physician.

Wear self contained breathing apparatus for fire fighting if necessary.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. 5. FIRE-FIGHTING MEASURES

If swallowed

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Special protective equipment for fire-fighters

Personal precautions Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions

environment must be avoided.

6. ACCIDENTAL RELEASE MEASURES

Suitable extinguishing media

protection.

Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire

Where risk assessment shows air-purifying respirators are appropriate use a full-face 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

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid formation of dust and aerosols.

Conditions for safe storage Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Hand protection

Personal protective equipment

Respiratory protection

Handle with gloves.

Hygiene measures

the end of workday.

Form

Colour

Safety data

рН

Melting point

Boiling point

Flash point

Upper explosion limit

10. STABILITY AND REACTIVITY

Water solubility

Eye protection Safety glasses with side-shields conforming to EN166 Skin and body protection Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at

9. PHYSICAL AND CHEMICAL PROPERTIES **Appearance**

Ignition temperature no data available Lower explosion limit no data available

solid

colourless

no data available

> 100,00 °C

Chemical stability Stable under recommended storage conditions. **Conditions to avoid** no data available

Materials to avoid

no data available

no data available

Germ cell mutagenicity

Strong oxidizing agents Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx) 11. TOXICOLOGICAL INFORMATION **Acute toxicity** LD50 Oral - rat - 3.780 mg/kg LD50 Dermal - rat - > 5.000 mg/kg Skin corrosion/irritation no data available

no data available Carcinogenicity This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification. Limited evidence of carcinogenicity in animal studies

Reproductive toxicity

Aspiration hazard no data available

Inhalation

Ingestion

Skin

Eyes

Potential health effects

Additional Information

Persistence and degradability

Bioaccumulative potential

RTECS: LT9970000

no data available

no data available

no data available

Mobility in soil no data available

Serious eye damage/eye irritation

Respiratory or skin sensitization

no data available Specific target organ toxicity - single exposure no data available Specific target organ toxicity - repeated exposure no data available

12. ECOLOGICAL INFORMATION **Toxicity**

no data available Other adverse effects Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

May be harmful if swallowed.

May cause eye irritation.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as

May be harmful if inhaled. May cause respiratory tract irritation.

May be harmful if absorbed through skin. May cause skin irritation.

probable, possible or confirmed human carcinogen by IARC.

Contaminated packaging Dispose of as unused product. 14. TRANSPORT INFORMATION

Marine pollutant: No **IATA** UN-Number: 3077 Class: 9

15. REGULATORY INFORMATION This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Acute aquatic toxicity Aquatic Acute Chronic aquatic toxicity Aquatic Chronic

Carcinogenicity Suspected of causing cancer. H351 Very toxic to aquatic life with long lasting effects. H410 Dangerous for the environment

R40 Limited evidence of a carcinogenic effect. R50/53Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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For R&D use only. Not for drug, household or other uses. WARRANTY:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

EMS-No: F-A, S-F

PBT and vPvB assessment

Product Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn

13. DISPOSAL CONSIDERATIONS

ADR/RID UN-Number: 3077 Class: 9

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Furmecyclox) **IMDG** UN-Number: 3077 Class: 9 Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Furmecyclox)

16. OTHER INFORMATION Text of H-code(s) and R-phrase(s) mentioned in Section 3

Carc.

N Xn

Harmful **Further information**

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Furmecyclox)

in a chemical incinerator equipped with an afterburner and scrubber.

Packing group: III

Packing group: III

Packing group: III