Classification of the substance or mixture

2. HAZARDS IDENTIFICATION

According to Regulation (EC) No1272/2008 Flammable liquids (Category 2) Acute toxicity, Inhalation (Category 1)

Eye irritation (Category 2)

According to European Directive 67/548/EEC as amended. Highly flammable. Very toxic by inhalation. Irritating to eyes. Label elements

Pictogram

Danger

Signal word

Hazard statement(s)

H225

H319

H330

Causes serious eye irritation. Fatal if inhaled. Precautionary statement(s) Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P210 P260

Do not breathe dust/fume/gas/mist/vapours/spray. Wear respiratory protection. P284

IF IN EYES: Rinse cautiously with water for several minutes. Remove P305 + P351 + P338contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician. P310

Hazard symbol(s) F Highly flammable Very toxic

Highly flammable liquid and vapour.

T+ R-phrase(s)

R11 R26

Highly flammable. Very toxic by inhalation. Irritating to eyes. R36

S-phrase(s) Keep away from sources of ignition - No smoking. S16 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately

S45

2487-90-3

(show the label where possible). Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS Formula C3H10O3Si

Classification

H330

Flam. Liq. 2; Acute Tox. 1; Eye Irrit. 2; H225, H319,

Concentration

122,2 g/mol Molecular Weight CAS-No. EC-No.

Trimethoxysilane

219-637-2

F, T+, R11 - R26 - R36 For the full text of the H-Statements mentioned in this Section, see Section 16. 4. FIRST AID MEASURES General advice

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.

In case of eye contact

Consult a physician.

Suitable extinguishing media For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires,

solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive

Special protective equipment for fire-fighters

6. ACCIDENTAL RELEASE MEASURES **Personal precautions**

Conditions for safe storage Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Moisture sensitive.

multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with

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

Eye protection

Handle with gloves.

work place. Hygiene measures Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Choose body protection according to the amount and concentration of the dangerous substance at the

colourless Colour Safety data no data available рН

clear, liquid

20 °C - closed cup

no data available

no data available

no data available

Vapour pressure

Water solubility no data available 4,22 Relative vapour - (Air = 1.0)density 10. STABILITY AND REACTIVITY Chemical stability Stable under recommended storage conditions. Conditions to avoid Heat, flames and sparks. Materials to avoid Strong oxidizing agents, Strong acids, Strong bases

Eyes - rabbit - Moderate eye irritation - 24 h Respiratory or skin sensitization no data available

Germ cell mutagenicity

Reproductive toxicity

no data available

no data available

Aspiration hazard no data available

Potential health effects

11. TOXICOLOGICAL INFORMATION

LC50 Inhalation - rat - 4 h - 42 ppm

LD50 Dermal - rabbit - 6.029 mg/kg

Skin - rabbit - Mild skin irritation - 24 h

Serious eye damage/eye irritation

LD50 Oral - rat - 8.929 mg/kg

Skin corrosion/irritation

Acute toxicity

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

Inhalation Ingestion Skin

12. ECOLOGICAL INFORMATION

Persistence and degradability

Bioaccumulative potential

Additional Information

RTECS: VV6750000

no data available

no data available

Mobility in soil no data available

Product

PBT and vPvB assessment no data available

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

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

Acute Tox. Eye Irrit.

Flam. Liq. H225

H319 H330 F

Highly flammable liquid and vapour. Causes serious eye irritation. Fatal if inhaled.

Acute toxicity

Flammable liquids

Eye irritation

licensed professional waste disposal service to dispose of this material.

www.lookchem.com

WARRANTY:

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

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

Consult a physician. Show this safety data sheet to the doctor in attendance. If inhaled In case of skin contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If swallowed Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray;

5. FIRE-FIGHTING MEASURES

Wear self contained breathing apparatus for fire fighting if necessary. **Further information** Use water spray to cool unopened containers.

concentrations. Vapours can accumulate in low areas. **Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section

7. HANDLING AND STORAGE

13).

Precautions for safe handling Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION Personal protective equipment

respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand protection

Face shield and safety glasses Skin and body protection

9. PHYSICAL AND CHEMICAL PROPERTIES **Appearance**

Melting point -115 °C - lit. Boiling point 81 °C - lit.

Form

Flash point

Ignition temperature

Lower explosion limit

Upper explosion limit

< 9,6 hPa at 20 °C 0,96 g/cm3 at 25 °C Density Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - Carbon oxides, silicon oxides

Carcinogenicity 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.

Specific target organ toxicity - repeated exposure

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a

May be fatal if inhaled. May cause respiratory tract irritation. May be harmful if swallowed. May be harmful if absorbed through skin. May cause skin irritation. Causes eye irritation. Eyes

Signs and Symptoms of Exposure

Toxicity no data available

skin., Cough, Shortness of breath, Headache, Nausea

Other adverse effects no data available

13. DISPOSAL CONSIDERATIONS

IMDG IATA

ADR/RID

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

> Highly flammable T+ Very toxic R11 Highly flammable. R26 Very toxic by inhalation.

R36 Irritating to eyes. **Further information**

> 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.