



Safety Data

CEE 88/379 DM 28/01/92 Revised according to REACH Article 31 NORME 1907/2006

Social Reason :

ALT R ECO

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Product : ECO GAS Traitement

Date of last modification: 12.06.2019

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

Commercial designation: ECO GAS Treatment

Supplier: Propriétaire et distributeur de la marque

Type of use: (for more information please consult the instructions for use of the data sheet before any use) Injection system detergent

Other data: - Content of active ingredients:%

2. Hazard Identification

Main Hazards :



DANGER Contains 202-860-4 Benzoic aldehyde, white mineral oil (Petroleum).

H315 - Causes skin irritation

H319 Causes serious eye irritation

H304 - May be fatal if swallowed and enters airways

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice / attention.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.P332+P313 - If skin irritation occurs: Get medical attention.

P264 - Wash thoroughly after handling;

P270 - Do not eat, drink or smoke when using this product.

P330 - Rinse mouth.

P501 - Dispose of contents / container in accordance with local / regional / national / international regulations.

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 - DO NOT induce vomiting.

P405 - Keep locked up.

P102 - Keep out of reach of children

Specific risks:

Main symptoms: No further information available

3. Composition / information on ingredients

Chemical name :

Mixed :

CAS RN Composant : 111-76-2, 2-butoxyéthanol, N° Index : 603-014-00-0, N° CE : 203-905-0, N°Enregistrement 01-2119475108-36-xxxx, Acute Tox.4 H332, Acute Tox.4 H312, Acute Tox.4 H302, Eye Irrit.2 H319, Skin Irrit.2 H315, Xn R20/21/22, Xi R36/38 <95%

Components that pose a hazard :

Impurities (presenting a danger) :

Other data :

4. First aid

General advice: Take off immediately all contaminated clothing.

If inhaled: Move person to fresh air. Consult a doctor in case of indisposition. Artificial respiration in case of irregular breathing or respiratory arrest. In case of loss of consciousness turn the person to the side.

In case of skin or eye contact: Wash immediately with plenty of water and soap. Consult a doctor or ophthalmologist immediately.

If swallowed: Rinse mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor immediately. If a person vomits and is lying on their back, turn it to one side.

5. Fire-fighting measures

Extinguishing media:

- Recommended: Use water spray, alcohol-resistant foam, dry powder or carbon dioxide
- Contraindicated: high flow water jet

Specific hazards: Vapors may form explosive mixtures with air.

In case of fire, hazardous decomposition products may be formed such as: Carbon monoxide (CO), carbon dioxide (CO₂).

Special firefighting methods: In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.

Stakeholder Protection: Cool closed containers with water spray near fire source. Collect contaminated extinguishing water separately, do not discharge into drains.

6. Accidental release measures

Personal precautions: Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment.

Measures for the protection of the environment: Do not flush into surface water or sanitary sewer system. Avoid penetration into the basement. In case of pollution of rivers, lakes or sewers, inform the competent authorities in accordance with local regulations. In case of infiltration into the soil, notify the authorities.

Methods for cleaning up: Collect with liquid-absorbing material (sand, kieselguhr, acid neutralizer, universal binder). Keep in suitable, closed containers for disposal. Process the recovered product according to the "Disposal Considerations" section.

7. Handling and Stockage

Handling:

Technical measures: Keep container tightly closed. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.

Precautions: Provide adequate ventilation and / or ventilation in the workshops. Provide safety showers and eye fountains in workshops where the product is routinely handled.

Instructions for use: cf. Technical sheet.

Stockage :

Technical measures: Store in a location with a solvent-resistant floor. Keep in the original container.

Storage conditions: Keep tightly closed in a dry and cool place. Keep in a well-ventilated place. Protect from light. Forms peroxides with air. The product is hygroscopic.

Incompatible materials: Combustible liquid mixture. Vapors may form explosive mixtures with air. Vapors are heavier than air and can spread to the ground. Keep away from any flame or source of sparks. No smoking. Take measures to prevent the accumulation of electrostatic charges.

Packaging materials: Always keep in packaging of the same material as the original. Keep away from food and drinks, including those for animals.

Materials to avoid: Oxidizing and spontaneously flammable products.

8. Exposure controls / personal protection

Technical measure :

2-Butoxyethanol, Case: 111-76-2

INRS (FR), Short-term Mean Exposure Value (VME): 2 ppm, 9.8 mg / m³. Indicative occupational exposure limit.

INRS (FR), Short Term Exposure Limit Value (TLVC): 30 ppm, 147.6 mg / m³. Indicative occupational exposure limit.

INRS (FR), Skin designation: Can be absorbed through the skin.

Contrôle parameter :

See protective measures under chapters 7 and 8.

Do not flush into surface water or sanitary sewer system.

Avoid penetration into the basement.

In case of pollution of rivers, lakes or sewers, inform the competent authorities in accordance with local regulations.

In case of infiltration into the soil, notify the authorities.

Individual protection equipment :

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.
Recommended Filter Type: A

Hand protection: Wear suitable gloves. Take into account the information given by the supplier regarding the permeability and penetration times, and the particular conditions of the workplace (mechanical stress, contact time).

Protective gloves must be replaced as soon as the first signs of wear appear.

Type of gloves recommended:

- Butyl rubber.
- Fluorinated rubber.

Eye protection: Safety glasses with full protection.

Skin and body protection other than the hands: Solvent resistant protective clothing.

9. Physical and chemical properties

Physical state:

- **Form:** Liquid
- **Color:** Colorless
- **Odor:** Slightly ethereal

PH value: Not applicable.

Decomposition temperature:

Flash point: 67 ° C (ASTM D93 method)

Self-ignition temperature: 230 ° C

Explosive properties: upper explosion limit 10,6% (V), lower explosion limit 1,1% (V)

Vapor pressure: 0.89 hPa (20 ° C)

Density of steam: to date our suppliers have not put information at our disposal on this point

Density: 0.881 Kg / L

Solubility: Completely miscible

Partitioning coefficient n-octanol / water: log Kow 0.81 (25 ° C) (OECD Test Guideline 107)

Solidification temperature:

10. Stability and responsiveness

Stability: No decomposition if stored and used as directed. No additional data available.

Conditions to avoid: Heat, flames and sparks. Exposure to light No thermal decomposition if the product is stored and handled as indicated.

Materials to avoid: Strong oxidizing agents, alkalis, light metals, aluminum.

Hazardous decomposition products: Oxides of carbon.

11. Toxicological information

Acute toxicity: repeated dose toxicity: danger of serious damage to health by prolonged exposure.

2- Butoxyethanol, Case 111-76-2

LD50: 1746 mg / kg (rat): Oral

LD50:> 2000 mg / kg (guinea pig) (OECD Test Guideline 402): Dermal

Skin irritation, eye irritation

Local effects:

Sensitization: Non-sensitizing (guinea pig) (Maximization Test).

Chronic Toxicity: Carcinogenicity: Animal testing did not show any carcinogenic effects. Mutagenicity: Animal testing showed no mutagenic effects. Teratogenicity: Animal testing has shown no effect on fetal development. Reproductive Toxicity: Animal testing showed no effect on fertility.

Long-term toxicity:

Specific effects:

12. Ecological information

Mobility: Fluid fluid

Persistence / degradability: > 77% after 28 days (OECD 301D).

Bioaccumulation:

Ecotoxicity:

Others:

No aquatic toxicity information is available on the product.

Mobility: The product does not evaporate into the atmosphere from surface water. It is not expected to be absorbed by the soil.

Fish: LC50: 1474 mg / l (Oncorhynchus mykiss (rainbow trout)): 96 h OECD Test Guideline 203. Daphnia: EC50: 1550 mg / l (Daphnia): 48 h OECD Test Guideline 202.

Algae: EC 1840 mg / l (Pseudokirchneriella subcapitata (green algae)): 72 h OECD Guideline 201.

Bacterium: CEO 700 mg / l (Pseudomonas putida): 16 h DIN 38412.

Persistence / degradability: No data available

90% (aerobic, activated sludge, exposure time: 28 d (OECD 301 B)) Readily biodegradable.

Bioaccumulation: Bioaccumulation is not to be considered.

Ecotoxicity: The product is not considered to be persistent, bioaccumulating nor toxic (PBT). This product is not considered very persistent or very bioaccumulative (vPvB).

Other:

Do not flush into surface water or sanitary sewer system. Avoid penetration into the basement.

13. Disposal considerations

Product: Disposal with normal waste is not allowed. Disposal as special waste is required according to local regulations. Do not let product enter drains. Contact the disposal services.

Contaminated packaging: Contaminated packaging must be emptied as completely as possible and can then, after proper cleaning, be recovered. Packagings that can not be cleaned must be disposed of in the same manner as the product. Do not burn empty drums or expose them to the torch. Risk of explosion.

European waste disposal number: No waste code from the European waste catalog can be attributed to this product because only the use made by the user allows this allocation.

The waste code is established in consultation with the dump.

The product and packaging are not rejectable in the natural environment or in sewers. Have it removed by an authorized and authorized company (see prefectural list).

In any case, comply with the national and local regulations in force.

14. Transport information

UN number: not applicable.

Transport on land ADR / RID and RTMDR / RTMDF: not applicable.

Earth Category:

Tunnel Earth:

Earth Class:

Earth Code:

Earth Group:

Earth Label:

Earth Identifier:

Earth QL:

Earth Dispo:

Earth EQ:

IMDG shipping: not applicable.

Sea Class:

Wed 2 ° Label:

Sea Group:

Sea QL: -

Sea EMS: -

Sea available:

Air transport: not applicable.

Air Class:

Air 2 ° Label:

Air Group:

Air Passenger:

Air Cargo:

Air Note:

Air EQ:

Informations :

Non dangerous goods according to ADR, RID and IMDG Code

15. Regulatory information

Community regulations :

R20 / 21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R36 / 38 - Irritating to eyes and skin.

R43 - May cause sensitization by skin contact.

R52 / 53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S2 - Keep out of the reach of children.

S24 - Avoid contact with skin.

S36 / 37 - Wear suitable protective clothing and gloves.

S46 - If swallowed, seek medical advice immediately and show this container or label.

S60 - Dispose of the product and its container as a hazardous waste.

Permissions:

Tables of occupational diseases: 2-butoxyethanol: 84, Listed.

Restrictions : not concerned.

15. Other informations

Phone Poison Center: 01 40 05 48 48

Detergents reserved for the use of engine cleaning and injection line.

N.B. : Our information is given in good faith, in the state of our current knowledge.
We can make changes based on new regulations or new technical knowledge.