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

1.1 Product identifier

Trade name: X-treme Cleaner Aerosol 400 ml

UFI: V7K0-P0AK-U00U-2U1X

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Cleaning agent.

1.3 Details of the supplier of the safety data sheet

Company name: EUROTECH Maier Ernst GmbH
Street/POB-No.: Herrschaftswiesen 5
Postal Code, city: AT-6842 Koblach
WWW: www.eurotech.at
E-mail: office@eurotech.at
Telephone: +43 (0)5523 53852
Telefax: +43 (0)5523 53852 4

Department responsible for information:
Telephone: +43 (0)5523 53852, Email: office@eurotech.at

1.4 Emergency telephone number

GIZ-Nord, Göttingen
Telephone: +49 551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Aerosol 1; H222; H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
Eye Dam. 1; H318	Causes serious eye damage.
(EUH066)	Repeated exposure may cause skin dryness or cracking.

2.2 Label elements

Labelling (CLP)

Signal word: **Danger**

Hazard statements:

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H318	Causes serious eye damage.
EUH066	Repeated exposure may cause skin dryness or cracking.

Precautionary statements:	P102	Keep out of reach of children.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211	Do not spray on an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P260	Do not breathe spray.
	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.
	P310	Immediately call a POISON CENTER/doctor.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
	P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling:

Contains Alcohols, C8-18, ethoxylated and Isotridecanol, ethoxylated (>5-10) (>10-20).

Contains >30 % hydrocarbons and < 5% non-ionic surfactants.

2.3 Other hazards

Exposure to temperatures exceeding 50 °C will increase pressure: resulting in danger of bursting or explosion.
Potentially explosive mixtures may form if adequate ventilation is not provided.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Vapours may cause drowsiness and dizziness. Shortage of breath.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Aerosol of the substances listed below with non-hazardous additions.

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. 265-149-8 CAS 64742-47-8	Distillates (petroleum), hydrotreated light Asp. Tox. 1; H304.	>= 50 %
EC No. - CAS 24938-91-8	Alcohols, C8-18, ethoxylated Acute Tox. 4; H302. Eye Dam. 1; H318. Aquatic Acute 1; H400.	1 - 5 %
EC No. 203-905-0 CAS 111-76-2	2-Butoxyethanol Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 4; H332. Skin Irrit. 2; H315. Eye Irrit. 2; H319. Acute toxicity estimate (ATE): Oral: 1200 mg/kg bw.	1 - 5 %
EC No. 500-241-6 CAS 69011-36-5	Isotridecanol, ethoxylated Acute Tox. 4; H302. Eye Dam. 1; H318.	1 - 5 %
EC No. 500-027-2 CAS 9043-30-5	Isotridecanol, ethoxylated Acute Tox. 4; H302. Eye Dam. 1; H318.	1 - 5 %
REACH 01-2119475602-38-xxxx EC No. 201-142-8 CAS 78-78-4	i-Pentane Flam. Liq. 1; H224. STOT SE 3; H336. Asp. Tox. 1; H304. Aquatic Chronic 2; H411. (EUH066).	0.1 - 1 %
REACH 02-2119667602-36-xxxx EC No. 203-448-7 CAS 106-97-8	n-Butane, pure Flam. Gas 1; H220. Compr. Gas; H280.	5 - 15 %
EC No. 200-827-9 CAS 74-98-6	Propane Flam. Gas 1; H220. Press. Gas (Liq.); H280.	5 - 15 %
EC No. 200-857-2 CAS 75-28-5	Isobutane, pure Flam. Gas 1; H220. Press. Gas (Comp.); H280.	1 - 5 %

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Never give anything by mouth to an unconscious person.
If you feel unwell, seek medical advice (show the label where possible).

In case of inhalation: Provide fresh air. Keep victim calm and seek medical attention immediately.
If breathing becomes irregular or ceases, apply rescue breathing or artificial respiration immediately, where required supply oxygen. Keep airway open.

Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Take off immediately all contaminated clothing.
Consult a doctor if skin irritation persists.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Subsequently seek the immediate attention of an ophthalmologist.

After swallowing: Swallowing is not regarded as a possible way of exposition.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye damage.
Vapours may cause drowsiness and dizziness. Shortage of breath.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Alcohol resistant foam, extinguishing powder, water spray jet, sand, carbon dioxide.

Extinguishing media which must not be used for safety reasons:
Full water jet.

5.2 Special hazards arising from the substance or mixture

Extremely flammable aerosol.
With air, vapours form potentially explosive mixtures, which are heavier than air. Vapours may proceed on the ground over great distances and cause fire and backflashes.
May form dangerous gases and vapours in case of fire.
In case of fire may be liberated: Smoke, hydrocarbons, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:
Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Heating will lead to pressure increase: Danger of bursting and explosion. Use fine water spray to cool endangered containers.
Move undamaged containers from immediate hazard area if it can be done safely.
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Do not allow fire water to penetrate into surface or ground water.
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all ignition sources if safe to do so.
Do not breathe vapour/aerosol. Provide adequate ventilation.
Avoid contact with skin and eyes.
Wear appropriate protective equipment. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains. Danger of explosion!
In case of release, notify competent authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Thoroughly clean surrounding area.

Additional information: Use explosion-proof equipment and non-sparking tools/utensils.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide good ventilation and/or an exhaust system in the work area.
Do not breathe vapour/aerosol. Do not spray into eyes or onto the skin.
Wear appropriate protective equipment. When using do not eat, drink or smoke.

Precautions against fire and explosion:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material.
Use only non-sparking tools. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place.
Do not drop, drag or bang the container.
Protect from heat and direct sunlight.
Keep away from heat sources, sparks and open flames.

Hints on joint storage: Do not store together with: strong acids, strong bases

Further details: Take care of storage regulations for aerosols.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
111-76-2	2-Butoxyethanol	Europe: IOELV: STEL	246 mg/m³; 50 ppm (may be absorbed through the skin)
		Europe: IOELV: TWA	98 mg/m³; 20 ppm (may be absorbed through the skin)
		Ireland: 15 minutes	246 mg/m³; 50 ppm (may be absorbed through the skin)
		Ireland: 8 hours	98 mg/m³; 20 ppm (may be absorbed through the skin)
78-78-4	i-Pentane	Europe: IOELV: TWA	3000 mg/m³; 1000 ppm
		Ireland: 8 hours	3000 mg/m³; 1000 ppm
106-97-8	n-Butane, pure	Ireland: 8 hours	1000 ppm
75-28-5	Isobutane, pure	Ireland: 15 minutes	1000 ppm

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded.
Use filter type A (= against vapours of organic substances) according to EN 14387.

The following applies to Propane in general:
If the concentration is exceeded, closed-circuit breathing apparatus must be used!

Hand protection: Protective gloves according to EN 374.
Glove material: Nitrile rubber
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.
In case of handling larger quantities: Flame-resistant antistatic protective clothing

General protection and hygiene measures:

Keep away from heat sources, sparks and open flames.
Do not breathe vapour/aerosol. Use only in well-ventilated areas.
Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Take off immediately all contaminated clothing.
Wash hands before breaks and after work.
Work place should be equipped with a shower and an eye rinsing apparatus.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	Form: Aerosol
Colour:	colourless
Odour:	characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	Extremely flammable aerosol.
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	No data available
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	No data available
Density:	No data available
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	Product is not explosive. Potentially explosive vapour/air mixtures may form.
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Extremely flammable aerosol.
Vapours can form explosive mixtures with air.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Container under pressure.
Heating will lead to pressure increase: Danger of bursting and explosion.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.
Protect from direct exposure to sunlight and temperatures exceeding 50 °C.

10.5 Incompatible materials

Strong acids, strong bases

10.6 Hazardous decomposition products

In case of fire may be liberated: Smoke, hydrocarbons, carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects:

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

11.2 Information on other hazards

Endocrine disrupting properties: No data available

Other information: Information about Distillates (petroleum), hydrotreated light:
LD50 Rat, oral: > 5000 mg/kg (OECD 420)
LD50 Rabbit, dermal: > 2000 mg/kg (OECD 402)
LC50 Rat, inhalative: > 5.28 mg/L/4h (OECD 403)

Symptoms

Headache, dizziness, nausea, allergic reactions.
Vapours in high concentrations have anaesthetic effect.
In case of inhalation: Cough, shortage of breath.
After contact with skin:
Prolonged/repetitive skin contact may cause skin defattening or dermatitis.
After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Information about Distillates (petroleum), hydrotreated light:
Fish toxicity:
LL50 Oncorhynchus mykiss: 2 - 5 mg/L/96h (OECD 203)
NOEL Oncorhynchus mykiss: 0.098 mg/L/28d (QSAR)

Daphnia toxicity:
EL50 Daphnia magna (Big water flea): 1.4 mg/L/48h (OECD 202)
NOEL Daphnia magna (Big water flea): 4.48 mg/L/21d (OECD 211)

Algae toxicity:
EL50 Pseudokirchneriella subcapitata (green algae): 1 - 3 mg/L/72h (OECD 201)

12.2 Persistence and degradability

Further details: The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 16 05 04* = Gases in pressure containers (including halons) containing hazardous substances.
* = Evidence for disposal must be provided.

Recommendation: Special waste. Do not open with force or incinerate, even when empty.
Dispose of waste according to applicable legislation.
Do not dispose of with household waste.

Package

Waste key number: 15 01 10* = packaging containing residues of or contaminated by dangerous substances.
* = Evidence for disposal must be provided.

Recommendation: Empty carefully and completely, if possible.
Dispose of waste according to applicable legislation.
Do not remove label until container is thoroughly cleaned.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR: UN 1950

14.2 UN proper shipping name

ADR/RID, IMDG:	UN 1950, AEROSOLS
IATA-DGR:	UN 1950, AEROSOLS, FLAMMABLE

14.3 Transport hazard class(es)

ADR/RID:	Class 2, Code: 5F
IMDG:	Class 2, Subrisk -, see SP63
IATA-DGR:	Class 2.1

14.4 Packing group

ADR/RID, IMDG, IATA-DGR:	not applicable

14.5 Environmental hazards

Dangerous for the environment:	Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.
Marine pollutant:	no

14.6 Special precautions for user

Land transport (ADR/RID)

Warning board:	RID: Kemmler-number 23, UN number UN 1950
Hazard label:	2.1
Special Provisions:	190 327 344 625
Limited quantities:	1 L
EQ:	E0
Package - Instructions:	P207 LP200
Package - Special Provisions:	PP87 RR6 L2
Special provisions for packing together:	MP9
Tunnel restriction code:	D

Sea transport (IMDG)

EmS:	F-D, S-U
Special Provisions:	63 190 277 327 344 381 959
Limited quantities:	See SP277
Excepted quantities:	E0
Package - Instructions:	P207, LP200
Package - Provisions:	PP87, L2
IBC - Instructions:	-
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	-
Tank instructions - Provisions:	-
Stowage and handling:	SW1 SW22
Segregation:	SG69
Properties and observations:	-
Segregation group:	none

Air transport (IATA)

Hazard label:	Flamm. gas
Excepted Quantity Code:	E0
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft:	Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg
Cargo Aircraft only:	Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg
Special Provisions:	A145 A167 A802
Emergency Response Guide-Code (ERG):	10L

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations - EC member states

Volatile organic compounds (VOC):

26 % by weight

Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
Physical hazards: Code P3a, Quantity threshold 150 000 kg / 500 000 kg

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H220 = Extremely flammable gas.
H222 = Extremely flammable aerosol.
H224 = Extremely flammable liquid and vapour.
H229 = Pressurised container: May burst if heated.
H280 = Contains gas under pressure; may explode if heated.
H302 = Harmful if swallowed.
H304 = May be fatal if swallowed and enters airways.
H312 = Harmful in contact with skin.
H315 = Causes skin irritation.
H318 = Causes serious eye damage.
H319 = Causes serious eye irritation.
H332 = Harmful if inhaled.
H336 = May cause drowsiness or dizziness.
H400 = Very toxic to aquatic life.
H411 = Toxic to aquatic life with long lasting effects.
EUH066 = Repeated exposure may cause skin dryness or cracking.

Reason of change: General revision
Date of first version: 12/4/2003

Department issuing data sheet: see section 1: Department responsible for information

Abbreviations and acronyms:

Acute Tox.: Acute toxicity
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aerosol: Aerosol
Aquatic Acute: Hazardous to the aquatic environment - acute
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
Asp. Tox.: Aspiration toxicity
Bw: Body weight
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Dam.: Eye damage
Eye Irrit.: Eye irritation
Flam. Gas: Flammable gases
Flam. Liq.: Flammable liquid
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LD50: Lethal dose 50%
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
Press. Gas: Gases under pressure
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Irrit.: Skin irritation
STOT SE: Specific target organ toxicity - single exposure
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.