

SAFETY DATA SHEET

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

1.1 PRODUCT IDENTIFIER. ARTICLES: XB 40011, XA41011 PACKAGE: Aerosol balloon.

PRODUCT TRADE NAME:

Anticarbon, engine cleaner

EC and CAS №№: mixture (see section 3). Molecular formula, IUPAC name: n/d. REACH numbers: none.

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

IDENTIFIED USES: Automobile engine systems cleaner from carbon. Professional use.

USES ADVISED AGAINST: Consumer use.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

EUROPEAN UNION IMPORTER/GERMANY: XADO Technology GmbH, Nüßlerstraße 8, 13088 Berlin, Germany.

Tel.:

0 800 777 7757, e-mail: info@xado.com, www.xado.de

GLOBAL SUPPLIERS: Visit www.xado.com

MANUFACTURER: XADO—Technology Ltd., 4, 23 Augusta Lane, Kharkov, 61103, Ukraine, Tel. +38 (057) 717-5555,

e-mail: laboratory@xado.com, responsible person: Denys Shaposhnikov

1.4 EMERGENCY PHONE NUMBER: Europe: 112, USA: 911

SECTION 2. HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE ACCORDING TO GHS and REGULATION (EC) № 1272/2008/EC: Flammable aerosols 1; H222, H229. Skin Corr./Irrit. 2; H315// STOT RE 1 H372// Aquatic Chronic 3; H412. ADDITIONAL INFORMATION: The wording of H-phrases is specified in section 16. Specific concentration limits and M-factors: none.

2.2 LABELLING ACCORDING TO GHS and REGULATION (EC) № 1272/2008/EC:



Signal Word, Hazard Statement, Precautionary Statement:

Danger.

H222: Extremely flammable aerosol

H229: Pressurized container: may burst if heated.

H315 May cause skin irritation.

H372 May cause damage to organs (central nervous system) through prolonged or repeated exposure.

H351: Suspected of causing cancer.

H412 Harmful to aquatic life with long lasting effects.

P251: Pressurized container: Do not pierce or burn, even after use.

P102: Keep out of reach of children.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261: Avoid breathing spray.

P280: Wear protective gloves.

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

2.3 OTHER HAZARDS: Results of PBT or vPvB assessment: not applicable.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS:

SUBSTANCE OR MIXTURE: Mixture.

CHEMICAL CHARACTERIZATION OF THE PRODUCT: polymer, solvent, gas-propellant.

HAZARDOUS INGREDIENTS:

Name	CAS №, EC №, Index №	Concentration (wt. %)	Classification according to Regulation 1272/2008/EC
Solvent naphtha (petroleum) heavy aromatic	CAS № 64742-94-5	10 - 20	Asp. tox. H304// Canc. 2 H351// Aquatic Chronic 2 H411
1-Propene, 2-methyl-, homopolymer, hydroformylation products, reaction products with ammonia	CAS № 337367-30-3	1 - 10	Skin Corr./Irrit. 2; H315// STOT RE 1 H372// Aquatic Chronic 3; H412

Isobutane and butane	CAS №№ 75-28-5 and 106-97-8, EC №№ 200-857-2 and 203-448-7, Index № 601-004-00-0	40 - 55	Flam. gases, Cat. 1; H220 Gases under pressure, liquefied gas; H280
Propane	CAS № 74-98-6, EC № 200-827-9, Index № 601-003-00-5	5 - 15	Flam. gases, Cat. 1; H220 Gases under pressure, liquefied gas; H280

The wording of the H-statements is specified in section 16. Occupational exposure limit values, if available, are listed in sec. 8. The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

SECTION 4. FIRST-AID MEASURES

4.1 DISCRIPTION OF FIRST-AID MEASURES

GENERAL ADVICE: Remove contaminated clothing. If danger of loss of consciousness, place patient in recovery position and transport accordingly. Apply artificial respiration if necessary. First aid personnel should pay attention to their own safety.

IF INHALED: Keep patient calm, remove to fresh air, seek medical attention.

ON SKIN CONTACT: Immediately wash thoroughly with soap and water, seek medical attention.

ON CONTACT WITH EYES: Immediately rinse open eyes with running water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.

ON INGESTION: Immediately flush mouth thoroughly. Immediately seek medical advice and show this safety data sheet. Do not induce vomiting without medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Never give anything by mouth to an unconscious person.

4.2 MOST IMPORTANT SYMPTOMPS AND EFFECTS, BOTH ACUTE AND DELAYED: See sections 2 and 11.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Hazards: alcohol intolerance. **Treatment:** treat according to symptoms (decontamination, vital functions), no known specific antidote. Strict prohibition of alcohol.

SECTION 5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA SUITABLE EXTINGUISHING MEDIA: Foam, dry extinguishing media, water spray. **EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:** Full waterjet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

SPECIFIC HAZARD: Containers may explode when heated.

HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂, nitric oxides, ethene; propene; methane; hydrogen.

5.3 ADVICE FOR FIREFIGHTERS SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Self-contained breathing apparatus, special fire-fighting clothing. **SPECIFIC METHODS:** Move container away or cool with water spray jet from a protected position. Prevent water used in emergency cases from entering sewers and drainage systems.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, POTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Only personnel, eliminating accident consequences, can stay stay in the area. Use personal protection equipment. Ensure adequate ventilation of the area. Eliminate leakage observing safety precautions.

Avoid inhalation. Avoid contact with the skin, eyes and clothing.

6.2 ENVIRONMENTAL PRECAUTIONS: Prevent spread over a wide area. Do not allow to enter sewers and drainage systems/surface waters/groundwater/soil. Inform local authorities when the product has entered sewers or drainage systems, soil or surfacewater.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP: For large amounts: pump off product. The waste must be covered with suitable absorbent material (e.g. sand), placed in containers for chemical waste and disposed of according to section 13 of this Safety data sheet. Clean contaminated area with a water-diluted soap. **6.4 REFERENCE TO OTHER SECTIONS:** See also section 8.2.

SECTION 7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING: Take precautionary measures against static discharges. Observe the occupational safety rules and personal hygiene rules. Do not eat in work area. Do not smoke. See also section 2.2

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

STORAGE: Store the product in original, not damaged tightly closed package, in a well-ventilated cool and dry area. Storage temperature: -40 °C...+50 °C. **INCOMPATIBLE MATERIALS:** Oxidizing agents, nitrates, alkalis, inorganic acid chlorides, halogenated compounds. **REQUIREMENTS FOR THE PACKAGING:** The packaging must be strong, leakproof, and good for transportation. **FURTHER INFORMATION ON STORAGE CONDITIONS:** Do not store at sunlight. **7.3 SPECIFIC END USE(S):** None.

SECTUION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETER No data available

8.2 EXPOSURE CONTROLS **ENGINEERING CONTROLS:** Work places must be well ventilated. Provide the places with local or general circulating ventilation system. Ensure that eyewash stations and safety showers are located close to the workstation. **RESPIRATORY PROTECTION:** Respirator (e.g. EN 14387 with filters type A). **HAND AND SKIN PROTECTION:** During handling with the product, use correspondent chemical protective clothing and gloves. Suitable gloves materials with prolonged, direct contact (recommended: protective index 6, corresponding > 480 min of permeation time according to EN 374): butyl rubber (butyl), 0.7 mm coating thickness. Manufacturer's directions for use should be observed because of great diversity of types. Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. **EYE PROTECTION:** Wear protective goggles with side-shields (e.g. EN 166). **GENERAL HEALTH AND SAFETY MEASURES:** Females of childbearing age should not come into contact with the product (contact with skin, inhalation). See also section 7.1. **ENVIRONMENTAL EXPOSURE CONTROLS:** See section 13.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	aerosol
ODOUR:	characteristic
ODOUR THRESHOLD:	no information available
THE DATA SHOWN WITHOUT GAS-PROPELLANT:	
AGGREGATE STATE:	liquid
COLOR:	characteristic for used colorant
ODOUR:	characteristic
ODOUR THRESHOLD:	no information available
HYDROGEN ION CONCENTRATION (pH):	no information available
MELTING POINT/FREEZING POINT, °C:	no information available
INITIAL BOILING POINT AND BOILING RANGE, °C	no information available
FLASH POINT, °C:	>61
EVAPORATION RATE:	no information available
FLAMMABILITY (SOLID, GAS):	liquid
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS, % vol.:	no information available
VAPOR PRESSURE, kPa:	no information available
VAPOR DENSITY:	no information available
RELATIVE DENSITY, kg/m ³ :	around 860 at 20 °C
SOLUBILITY(IES):	no information available
PARTITION COEFFICIENT: N-OCTANOL/WATER (Log Pow)	no information available
AUTO-IGNITION TEMPERATURE, °C:	no information available
DECOMPOSITION TEMPERATURE, °C:	no information available
KINEMATIC VISCOSITY, mm ² /s	no information available
EXPLOSIVE PROPERTIES:	not explosive
OXIDISING PROPERTIES:	no information available

9.2 OTHER INFORMATION: None.

SECTION 10. STABILITY AND REACTIVITY

10.1 REACTIVITY: None under normal conditions. **10.2 CHEMICAL STABILITY:** Following strictly the rules of handling with the product and safety regulations, the product stays stable. **10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** None under normal conditions. **10.4 CONDITIONS TO AVOID:** See section 7 and 2.2. **10.5 INCOMPATIBLE MATERIALS:** See section 7.2. **10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** See section 5.2.

SECTION 11. TOXICOLOGIC INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- 11.1.1 Acute toxicity: Based on available data, the classification criteria are not met.
11.1.2 Skin corrosion/irritation: May cause skin irritation.
11.1.3 Serious eye damage/irritation: Based on available data, the classification criteria are not met.
11.1.4 Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
11.1.5 Germ cell mutagenicity: Based on available data, the classification criteria are not met.
11.1.6 Carcinogenicity: Suspected of causing cancer.
11.1.7 Reproductive toxicity: Based on available data, the classification criteria are not met.
11.1.8 STOT-single exposure: Based on available data, the classification criteria are not met.
11.1.9 STOT-repeated exposure: May cause damage to organs (central nervous system) through prolonged or repeated exposure.
11.1.10 Aspiration hazard: Aerosol package.

SECTION 12. ECOLOGICAL INFORMATION

- 12.1 TOXICITY:** Assessment of aquatic toxicity: Harmful to aquatic life with long lasting effects.
12.2 PERSISTENCE AND DEGRADABILITY: no information available
12.3 BIOACCUMULATIVE POTENTIAL: Accumulation in organisms is not to be expected.
12.4 MOBILITY IN SOIL: No information available. **12.5 RESULTS OF PBT AND vPvB ASSESSMENT:** Not applicable. **12.6 OTHER ADVERSE EFFECTS:** No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

- 13.1 WASTE TREATMENT METHODS** 13.1.1 **PRODUCT/PACKAGING DISPOSAL** Waste material must be disposed of in accordance with national/local legislative requirements. Dispose of this material and its container at hazardous or special waste collection point. **WASTE DISPOSAL:** European waste code: 07 07 04 wastes from the manufacture, formulation, supply and use of fine chemicals and chemical products; not otherwise specified other organic solvents, washing liquids and mother liquors. Must not be disposed together with household garbage.
DISPOSAL OF CONTAMINATED/DAMAGED PACKAGE: Packaging with product residues must be utilized with its waste. Package European waste code: 15 01 10 (packaging containing residues of or contaminated by dangerous substances); 15 01 04 (metallic packaging). 13.1.2 **WASTE TREATMENT-RELEVANT INFORMATION:** See handling with the product (sections 7 and 8). 13.1.3 **SEWAGE DISPOSAL-RELEVANT INFORMATION:** Do not allow product to reach sewage system.

SECTION 14. TRANSPORT INFORMATION

The product is transported by air, railway, road or marine transport in compliance with the rules for this mode of transportation. The product is stored in the original packages.

Land transport (ADR/RID):

UN-nr	1950
Proper shipping name	AEROSOLS, HIGHLY FLAMMABLE
Class	2
Classification code	5F
Packing group	Not applicable for those type of goods
Hazard label(s)	2.1
Environmental hazard	No
Special provision(s)	None

Marine transport (IMDG/IMO):

UN-nr	1950
Proper shipping name	AEROSOLS, HIGHLY FLAMMABLE
Class	2
Packing group	Not applicable for those type of goods
Hazard label(s)	2.1
Marine pollutant	No
Special provision(s)	None
EMS	F-D, S-U

Air transport (ICAO/IATA):

UN-nr	1950
Proper shipping name	AEROSOLS, HIGHLY FLAMMABLE
Class	2
Packing group	Not applicable for those type of goods
Hazard label(s)	2.1

Environmental hazard No
Special provision(s) None

SECTION 15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATION/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

NATIONAL REGULATIONS HAS TO BE TAKEN INTO ACCOUNT.

THE PRODUCT IS NOT IN THE SCOPE OF DIRECTIVE 1999/13/EC AND DIRECTIVE 2004/42/EC.

VOLATILE ORGANIC COMPOUNDS (VOC) ACCORDING SWITZERLAND LEGISLATION (VERORDNUNG ÜBER DIE LENKUNGSABGABE AUF FLÜCHTIGEN ORGANISCHEN VERBINDUNGEN (VOCV) 814.018)

The product ingredients referred to The Positive List (Stoff-Positivliste (der Abgabe unterstellte flüchtige organische Verbindungen, VOC)):

Name	CAS №	Zolltarif-Nr	Concentrate (wt. %)
Isobutane and n-butane	75-28-5 and 106-97-8	2711.1390 + ex 2901.1019 and 2711.1390 + ex 2901.1019	40 - 55
Propane	74-98-6	2711.1290 + ex 2711.2990	5 - 15

REGULATIONS:

- GHS 05 (Globally Harmonized System of Classification and Labelling of Chemicals, Rev.05);
- ISO 11014:2009 Safety data sheet for chemical products – content and order of sections;
- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH);
- Regulation (EC) No 1272/2008/EC (CLP);
- Regulation (EU) No 453/2010;
- Commission regulation (EU) 2015/830;
- European commission directive 2009/161/EU list of occupational exposure limit values.
- European waste codes regulations: Commission decision of 3 May 2000 and Council Decision 94/904/EC;
- ADR 2017 (European agreement concerning the international carriage of dangerous goods by road)..

15.2 CHEMICAL SAFETY ASSESSMENT: No data available for the product.

SECTION 16. OTHER INFORMATION

Classification of mixtures when data are available for all components or only for some components of the mixture, the theory of additivity (according to article 9 of Regulation (EC) No 1272/2008).

CHANGES AS COMPARED WITH PREVIOUS SDS VERSION: none

USED ABBREVIATION: PBT and vPvB - "Persistent, Bioaccumulative and Toxic" and "very Persistent and very Bioaccumulative". OECD - Organization for Economic Co-operation and Development. SDS – Safety data sheet.

SOURCES OF INFORMATION: site European Chemicals Agency (<http://apps.echa.europa.eu>), site The Information system on hazardous substances of the German Social Accident Insurance (GESTIS) (<http://gestis-en.itrust.de/>), site United Nation Economic Commission for Europe (<http://www.unece.org/>), Safety data sheets.

OTHER INFORMATION:

All information in this SDS is based on our current knowledge by the time of making SDS. Neither should any agreed property nor the suitability of the product for any specific purpose be deducted from the data contained in the safety data sheet.

It is an obligation for the users to use this product with care and to observe the applicable laws and regulations concerning the use of this kind of products.

The company does not assume responsibility for deficiencies, damages or injuries resulted from non-compliance to the safety and other measurements of this Safety data sheet, nor for any defect or risk ensuing from the nature of the product, nor for abnormal applications of the product.

If the product is purchased with the aim to its further supply to the third party, the buyer must provide any person, handling with this product, with the information contained in this safety data sheet. The employers must inform their employees and other people, who can be exposed to any danger described in this Safety data sheet, about the necessary precautionary measures.

End of the document.