

## SAFETY DATA SHEET

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

#### 1.1 PRODUCT IDENTIFIER. PRODUCT TRADE NAME:

##### **XADO RED Booster**

EC № and CAS №: mixture (see section 3). Molecular formula, IUPAC name, Ingredients REACH numbers: N/d

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

IDENTIFIED USES: Additive for engine oil system. Consumer, industrial, professional use. USES ADVISED AGAINST: N/d.

#### 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](mailto:info@xado.com), [www.xado.de](http://www.xado.de) GLOBAL SUPPLIERS: Visit [www.xado.com](http://www.xado.com)

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

e-mail: [laboratory@xado.com](mailto: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 REGULATION (EC) № 1272/2008/EC:** Not danger. **ADDITIONAL INFORMATION:** Specific concentration limits and M-factors: none.

**HUMAN HEALTH AND ENVIRONMENTAL EFFECTS:**

Inhalation	High concentrations of vapours may cause mild irritation of upper respiratory airway
Eyes effect	May cause irritation
Skin effect	May cause an allergic reaction and irritation
Ingestion	Sickness, stomach pain
Environmental effect	Major emissions may have a harmful or disturbing effect.

**2.2 LABEL ELEMENTS ACCORDING TO REGULATION (EC) № 1272/2008/EC:**

**P102: Keep out of reach of children. Contains dihydro-3-(tetrapropenyl)furan-2,5-dione. May produce an allergic reaction.**

**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: additives, severely refined mineral base oil. **HAZARDOUS INGREDIENTS:**

Name	CAS №	EC №	REACH №	Concentration (wt. %)	Classification according to Regulation 1272/2008/EC
Bis(nonylphenol)amine	36878-20-3	253-249-4	01-2119488911-28	1 - <5	Aquatic Chronic 3; H412
Dihydro-3-(tetrapropenyl)furan-2,5-dione	26544-38-7	247-781-6	01-2119979080-37	<0.5	Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Chronic 4, H413

Occupational exposure limit values, if available, are listed in section 8.

### SECTION 4. FIRST-AID MEASURES

#### 4.1 DISCRIPTION OF FIRST-AID MEASURES

**FIRST-AID INHALATION:** If discomfort occurs - fresh air and rest.

**FIRST-AID SKIN:** Wash exposed skin with soap and warm water. Consult an doctor if discomfort persists.

**FIRST-AID EYES:** Rinse with running water for several minutes with eyelids held open. Then remove contact lenses if present and easy to do – and continue rinsing for at least 15 min. Consult an doctor if discomfort persists.

**FIRST-AID 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 section 2.1.

#### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically, not known special antidote.

### SECTION 5. FIRE FIGHTING MEASURES

**5.1 EXTINGUISHING MEDIA SUITABLE EXTINGUISHING MEDIA:** Foam, powder.

**EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:** Full waterjet.

**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE SPECIFIC HAZARD:** When exposed to heat, may decompose liberating hazardous gases.

**HAZARDOUS COMBUSTION PRODUCTS:** Soot and other organic products, phosgene, carbon oxides, nitrogen oxides (NO<sub>x</sub>), sulphur dioxide (SO<sub>2</sub>).

**5.3 ADVICE FOR FIREFIGHTERS SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:** Self-contained breathing apparatus, special fire-fighting clothing (including helmets, protective boots and gloves).

**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.

**Attention:** High risk of slipping due to leakage/spillage of the product.

**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 MATERIAL FOR CONTAINMENT AND CLEANING UP** Gather not-contaminated product and use for intended purpose. The waste must be covered with 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** Observe the occupational safety rules and personal hygiene rules. Do not eat in work area. Do not smoke. Avoid even short-term skin contact with used product. Avoid breathing vapours/oil mist. See also section 2.2. **7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY**

**INCOMPATIBILITIES** **STORAGE:** Store the product in original, not damaged package, in a well-ventilated and dry area. Storage temperature: -40 °C...+50 °C. **INCOMPATIBLE MATERIALS:** Oxidizing agents, acids, alkalis.

**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.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 CONTROL PARAMETERS** 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 (EN 14387).

**HAND AND SKIN PROTECTION:** During handling with the product, use correspondent protective clothing and gloves (EN374). The following materials are suitable for protective gloves (approximate permeation time  $\geq$  8 hours): nitrile rubber/nitrile latex - NBR (0,35 mm), fluoro carbon rubber - FKM (0,4 mm). Due to many conditions (e.g. temperature) it must be considered, that a real permeation time may be much shorter than a approximate permeation time. Manufacturer's directions for use should be observed.

**EYE PROTECTION:** Wear protective goggles (EN 166). **GENERAL HEALTH AND SAFETY MEASURES:** See section 7.1. **ENVIRONMENTAL EXPOSURE CONTROLS:** See section 13.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 INFORMATION ON BASIC PHISICAL AND CHEMICAL PROPERTIES**

AGGREGATE STATE:	liquid
ODOUR:	characteristic
ODOUR THRESHOLD:	no information available
HYDROGEN ION CONCENTRATION (pH):	not applicable
MELTING POINT/FREEZENG POINT, °C:	no information available
INITIAL BOILING POINT AND BOILING RANGE, °C:	no information available
FLASH POINT, °C:	>80
EVAPORATION RATE:	no information available
FLAMMABILITY (SOLID, GAS):	no classified as flammable, but will combust at high temperatures
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS, % vol.:	no information available
VAPOR PRESSURE, hPa:	no information available

VAPOR DENSITY:	no information available
RELATIVE DENSITY, kg/m <sup>3</sup> :	800 – 1100 at 20 °C
SOLUBILITY(IES):	not soluble in water
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 <sup>2</sup> /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:** Oxidized and galogenated. **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** No information available. **HAZARDOUS COMBUSTION PRODUCTS:** See section 5.2. **10.4 CONDITIONS TO AVOID:** No information available. **10.5 INCOMPATIBLE MATERIALS:** See section 7.2. **10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** See sections 10.3 and 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: Based on available data, the classification criteria are not met.
- 11.1.3 Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- 11.1.4 Respiratory or skin sensitisation: May produce an allergic skin reaction.
- 11.1.5 Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- 11.1.6 Carcinogenicity: Based on available data, the classification criteria are not met.
- 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: Based on available data, the classification criteria are not met.
- 11.1.10 Aspiration hazard: Based on available data, the classification criteria are not met.

## **SECTION 12. ECOLOGICAL INFORMATION**

- 12.1 TOXICITY** No information available
- 12.2 PERSISTENCE AND DEGRADABILITY** No information available
- 12.3 BIOACCUMULATIVE POTENTIAL** No information available.
- 12.4 MOBILITY IN SOIL:** May penetrate the soil causing ground water contamination.
- 12.5 RESULTS OF PBT AND vPvB ASSESMENT:** Not applicable. **12.6 OTHER ADVERSE EFFECTS:** N/d.

## **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. **WASTE DISPOSAL:** Waste code: 13 02 (engine, gear and lubricating oils waste). Must not be disposed together with household garbage. **DISPOSAL OF CONTAMINATED/DAMAGED PACKAGE:** Packaging with product residues must be utilized with its waste. Package waste code 15 01 10 (packaging containing residues of or contaminated by dangerous substances), 15 01 04 (metal packages). 13.1.2 **WASTE TREATMENT-RELEVANT INFORMATION:** Safety measures at disposal of wastes are the same as for the work with the main product (see 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.  
The product is not classified as danger good according ADR/RID, IMDG/IMO, ICAO/IATA.

## **SECTION 15. REGULATORY INFORMATION**

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

THE PRODUCT IS NOT IN THE SCOPE OF DIRECTIVE 1999/13/EC AND DIRECTIVE 2004/42/EC.  
VOLATILE ORGANIC COMPOUNDS ACCORDING SWITZERLAND LEGISLATION (VERORDNUNG ÜBER DIE LENKUNGSABGABE AUF FLÜCHTIGEN ORGANISCHEN VERBINDUNGEN (VOCV) 814.018)

The product ingredients doesn't refer to The Positive List of substances (Stoff-Positivliste (der Abgabe unterstellte flüchtige organische Verbindungen, VOC)).

REGULATIONS: GHS (Globally Harmonized System of Classification and Labelling of Chemicals); 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 2023 (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**

THE WORDING OF H-STATEMENTS AS INDICATE IN SECTION 3: H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. EVALUATION OF HAZARD INFORMATION FOR SUBSTANCES AND MIXTURES: 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: Sections 11. USED ABBREVIATION: N/d - no data available. 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.

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