

# Cubi Orth Glossy Finish Spray Box



## Scheda di Dati di Sicurezza/Safety Data Sheet

### SECTION 1. Identification of the substance or mixture and of the company / undertaking

#### 1.1. Product identifier

Code: 100-40

**HS Code: 3208 20 10**

Name Cubi Orth Activator Spray Film

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

Description / Use Activator for films (Films Activator) PVA (POLY VINYL ALCOHOL)

#### 1.3. of the safety data sheet of the supplier information

Company Megadental Italy

Address Via Caprera, 16

District and Country 91028 Partanna (TP9 ITALY)

e-mail address of the person responsible info@megadentalitalia.it

#### 1.4. For urgent inquiries refer to Poison Centre - Ospedale di Firenze (24/24)

Phone: +39 55 794 7819

### SECTION 2. Hazards identification.

#### 2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions of Directives 67/548 / EEC and 1999/45 / EC (and subsequent amendments). The product thus requires a safety data sheet according to Regulation (EC) No. 1907/2006, as amended.

Further information on the risks to health and / or environmental hazards can be found in sections. 11 and 12 of this

card. R phrases:

10-66-67

#### 2.2. Label elements.

Danger labeling under directives 67/548 / EEC and 1999/45 / EC and following amendments and adjustments.

Warning symbols: None.

R10

R66

R67

S23

S43

S51

FLAMMABLE.

Repeated exposure may cause skin dryness or SC REPOLATURE SKIN. Vapours may cause drowsiness and dizziness.

DO NOT BREATHE GAS / FUMES / VAPOUR / SPRAY.

IN CASE OF FIRE, USE CHEMICAL POWDER, CO2, FOAM, WATER SPRAY. USE ONLY IN WELL VENTILATED.

#### 2.3. Other hazards.

Information not available

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### SEZIONE 3. Composizione/informazioni sugli ingredienti.

#### 3.2. Mixtures.

It contains:

Identification. Conc.%. Classification 67/548 / EEC. Classification 1272/2008 (CLP).

Butyl acetate

CAS. 123-86-4 74-78 R10, R66, R67 Flam. Liq. 3 H226, STOT SE 3 H336, EUH066

THERE IS. 204-658-1

INDEX. 607-025-00-1

Nr. Reg. 01-2119485493-29-0007

1-ethoxy-2-propylacetate

CAS. 54839-24-6 24 to 25.5 R10, R67 Flam. Liq. 3 H226, H336 STOT SE 3

THERE IS. 259-370-9

INDEX. 603-177-00-8

Nr. Reg. 01-2119475116-39-0000

Note: Higher value of the excluded range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16.

T + = Very Toxic (T +), T = Toxic (T), Xn = Harmful (Xn), C = Corrosive (C), Xi = Irritating (Xi), O = Oxidizing (O), E = Explosive (E), F + = Extremely Flammable (F +), F = Highly Flammable (F), N = Dangerous for the Environment (N)

### SEZIONE 4. Misure di primo soccorso.

#### 4.1. Description of first aid measures.

EYES: Remove contact lenses. Wash immediately with plenty of water for at least 15 minutes, opening her eyelids. Consult a doctor if the problem persists.

SKIN: Take off contaminated clothing. Wash immediately with plenty of water. If irritation persists, consult a doctor. Wash contaminated clothing before reuse.

Inhalation: Move to fresh air. If breathing is difficult, seek medical attention.

Ingestion: Consult a physician immediately. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person and if indicated by the doctor.

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4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances see chap. 11.

4.3. Indication of any immediate medical attention and special treatment.

Information not available

### **SEZIONE 5. Misure antincendio.**

5.1. Extinguishing.

#### SUITABLE EXTINGUISHING MEDIA

The extinction equipment are: carbon dioxide, foam, dry chemical. For leaks and spills that have not caught fire, nebulized water may be used to disperse the flammable vapors and protect the people involved in stopping the leakage.

#### EXTINGUISHING MEDIA NOT SUITABLE

Do not use water jet. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

#### HAZARDS CAUSED BY EXPOSURE IN CASE OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters.

#### GENERAL INFORMATIONS

Cool down with water jets the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### EQUIPMENT

normal clothing to fight the fire, such as a compressed air breathing apparatus open circuit (EN 137), complete with flame retardant (EN469), flame-resistant gloves (EN 659) and boots for the fire brigade (HO A29 or A30).

### **SECTION 6. Measures in case of accidental release.**

6.1. Personal precautions, protective equipment and procedures in case of emergency devices.

Stop leak if safe to do so.

Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These directions are valid both for the workers to work which for emergency interventions.

6.2. Environmental precautions.

Prevent product from entering into drains, surface water, ground water.

6.3. Methods and materials for containment and cleaning up.

Vacuum the spilled product into a suitable container. Assess the compatibility of the container to be used with the product, verifying section 10. Absorb the remainder with inert absorbent material.

Ensure adequate ventilation of the place affected by the loss. Verify the compatibility of the material of the containers in section 7. The disposal of contaminated material must be made in accordance with point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

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### SECTION 7. Handling and storage.

#### 7.1. Precautions for safe handling.

Keep away from heat, sparks and open flames, do not smoke, use matches or lighters. Without adequate ventilation, the vapors may accumulate on the ground and ignite at a distance, if triggered off with the risk of flashback. Avoid the accumulation of electrostatic charges. Do not eat, drink or smoke while handling it. Remove contaminated clothing and protective equipment before entering areas where you eat. Avoid dispersal into the environment.

#### 7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a cool, well-ventilated place, away from heat sources, open flames, sparks and other ignition sources. Store containers away from any incompatible materials, checking section 10.

#### 7.3. Specific end uses.

See section 1.2. Per more information see data sheet.

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### SECTION 8. Exposure controls / personal protection.

OEL EU 150 200

TLV 150 200

Concentration expected not to impact on the environment - PNEC.

reference value for the terrestrial compartment 0.0903 mg / kg

reference value in fresh water 0.18 mg / l

reference value in sea water 0.018 mg / l

reference value for sediment in fresh water 0.981 mg / kg

reference value for sediment in seawater 0.0981 mg / kg

reference value for micro STP 35.6 mg / l

Oral. 3.4 VND

mg / kg

Inhalation. 859.7 859.7 12 VND 960,960,480,480

mg / m<sup>3</sup> mg / m<sup>3</sup>

Dermal. VND 3.4 VND 7

mg / kg mg / kg

TLV 300 50

Concentration expected not to impact on the environment - PNEC.

reference value for the terrestrial compartment 1.34 mg / kg

reference value in fresh water 1.3 mg / l

reference value in marine water 0.13 mg / l

reference value for sediment in fresh water 6.4 mg / kg

reference value for sediment in seawater 0.64 mg / kg

Oral. VND 13.1

mg / kg / 24h

Inhalation. VND 365 VND 181 VND 608 VND 302

mg / m<sup>3</sup> mg / m<sup>3</sup> mg / m<sup>3</sup> mg / m<sup>3</sup>

Dermal. VND 62 VND 103

mg / kg / 24h

mg / kg / 24h

legend:

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(C) = CEILING; INALAB = Inhalable fraction; RESPIR = Respirable fraction; Torac = Fraction Thoracic.

VND = hazard identified but no DNEL / PNEC available; NEA = no anticipated exposure; NPI = no identified danger.

### **SECTION 8. Exposure controls / personal protection.**

8.1. Control parameters.

Normative requirements:

Italian Legislative Decree April 9, 2008, n.81.

Swiss Valeurs limites d'exposition aux postes de travail 2012.

OEL EU Directive 2009/161 / EU; Directive 2006/15 / EC; Directive 2004/37 / EC;

Directive 2000/39 / EC.

ACGIH TLV-ACGIH 2012

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### **SECTION 8. Exposure controls / personal protection.**

#### **8.2. Exposure controls.**

As the use of adequate technical equipment must always take priority over personal protection equipment, ensure good ventilation in the workplace through effective local aspiration.

For the selection of personal protective equipment, if necessary, request advice from your chemical substance suppliers. The personal protective equipment must contain the mercatura EC certifying their compliance with applicable regulations.

#### **HAND PROTECTION**

Protect your hands with work gloves, category III (ref. Standard EN 374).

For the final choice of work glove material must be considered: compatibility, degradation, breakage times and permeation.

In the case of preparations the resistance of protective gloves to chemicals should be checked before use, as it expected. The Gloves' limit depends on the duration and method of use.

#### **SKIN PROTECTION**

Wear work clothes with long sleeves and safety footwear for professional use category I (ref. Directive 89/686 / EEC and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

Consider providing antistatic clothing in case the working environment presents a risk of explosion. EYE PROTECTION

You should wear protective airtight goggles (ref. Standard EN 166). RESPIRATORY PROTECTION

In case of exceeding the threshold value (eg. TLV-TWA) of the substance or one or more of the Deputy anze present in the product, you should wear a Type A, the class mask with filter (1, 2 or 3) It must be chosen in relation to the limit concentration of use. (Ref. Standard EN 14387). In the case were present gas or of a different nature vapors and / or gases or vapors with particles (aerosols, fumes, mists, etc.) Should be provided for combined type filters.

The use of respiratory protective equipment is necessary in case the technical measures are not sufficient to limit the exposure of the worker to the threshold values considered. The protection provided by masks is in any case limited.

In the case where the substance in question is odorless or its olfactory threshold is higher than the related TLV-TWA, and in case of emergency, wear a compressed air breathing apparatus open circuit (ref. Standard EN 137) or a respirator in socket d ' outdoor air (ref. standard EN 138). For the correct choice of respiratory protection device, refer to EN 529.

Emissions from production processes, including those from ventilation should be checked for compliance of environmental protection legislation

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### SECTION 9. Physical and chemical properties.

#### 9.1. Information on basic physical and chemical properties fon tal.

Appearance liquid

transparent color

characteristic odor

olfactory threshold. Not available.

pH. Not available.

melting or freezing point. Not available.

Initial boiling point. > 126 ° C.

boiling range. Not available.

Flash point. 23 ° C.

Evaporation rate Not available.

Flammability of solids and gases Not available.

lower flammable limit. Not available.

upper flammable limit. Not available.

lower explosive limit. Not available.

upper explosive limit. Not available.

Vapor pressure. 54.16 mmHg

Vapour density> 1.0000

Relative density. 0.89 kg / l

Solubility insoluble in water

Partition coefficient: n-octanol / water: Not available.

auto-ignition temperature. Not available.

decomposition temperature. Not available.

Viscosity Not available.

Explosive properties Not available.

oxidant properties Not available.

9.2. Further information.

VOC (Directive 1999/13 / EC): 100,00% - 890,00 g / liter.

VOC (volatile carbon): 60,94% - 542.32 g / liter

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### **Cubi Orth Glossy Finish Spray Box**

#### **SECTION 10. Stability and reactivity.**

##### **10.1. Reactivity.**

There are no particular risks of reaction with other substances in normal conditions

use. N-Butyl acetate easily decomposes with water especially when heated.

##### 10.2. Chemical stability.

The product is stable under normal conditions of use and storage.

##### 10.3. Possibility of hazardous reactions.

Vapors may form explosive mixtures with air.

N-BUTYL ACETATE: risk of explosion on contact with: strong oxidizing agents. It can react dangerously with alkaline hydroxides, potassium tert-butoxide. To form explosive mixtures with ara.

##### **10.4. Conditions to avoid.**

Avoid overheating. Avoid the accumulation of electrostatic charges. Avoid any source of

ignition. N-BUTYL ACETATE: avoid exposure to moisture, heat sources and open flames.

##### 10.5. Incompatible materials.

N-BUTYL ACETATE: water, nitrates, strong oxidizing agents, acids and alkalis and potassium t-butoxide.

##### 10.6. Hazardous decomposition products.

When heated or in case of fire can be released vapors potentially dangerous to health.

#### **SECTION 11. Toxicological information.**

##### 11.1. Information on toxicological effects.

In the absence of experimental toxicological data on the product itself, the possible health hazards of the product were evaluated

based on the properties of the substances contained, according to the criteria laid down by the relevant regulations for the classification. therefore, consider the concentration of each hazardous substances possibly mentioned in sect. 3, to evaluate the

toxicological effects deriving from the product.

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Repeated exposure to the product may have a degreasing action on the skin, producing dryness and chapping.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS), with effects such as drowsiness, dizziness, slow reflexes, narcosis.

N-BUTYL ACETATE: in humans the substance vapors cause irritation of the eyes and nose. In case of repeated exposures, you have skin irritation, dermatitis (dryness and cracking of skin) and keratitis.

1-methoxy-2-propylacetate LD50 (Oral).

LD50 (Dermal).

LC50 (inhalation).

Butyl acetate LD50 (Oral). LD50 (Dermal). LC50 (inhalation).

> 5000 mg / kg Rat

13,42 ml / kg Rabbit

> 6.99 mg / l / 4h Rat

> 10000 mg / kg Rat

> 14000 mg / kg Rabbit

> 21.1 mg / l / 4h Rat

#### **10.4. Conditions to avoid.**

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#### **10.5. Incompatible materials.**

N-BUTYL ACETATE: water, nitrates, strong oxidizing agents, acids and alkalis and potassium t-butoxide.

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N-BUTYL ACETATE: in humans the substance vapors cause irritation of the eyes and nose. In case of repeated exposures, you have skin irritation, dermatitis (dryness and cracking of skin) and keratitis.

In base ai dati disponibili, il prodotto non contiene sostanze PBT o vPvB in percentuale superiore a 0,1%.

### SECTION 12. Ecological information.

Adopt good working practices, avoiding release of the product in the environment. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

#### 12.1. Toxicity.

1-ethoxy-2-propylacetate

Chronic NOEC Fish. 47.5 mg / l / 96h Fish

Algae Chronic NOEC / Aquatic Plants. > 100 mg / l / 72h Algae

Butyl acetate

LC50 - Fish. 18 mg / l / 96h Fish

EC50 - Crustaceans. 44 mg / l / 48h Daphnia

#### 12.2. Persistence and degradability.

Information not available.

#### 12.3. Potential for bioaccumulation.

Information not available.

#### 12.4. Mobility in soil.

Information not available.

## 12.5. Results of PBT and vPvB.

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### SECTION 12. Ecological information.

12.6. Other adverse effects.

Information not available.

### SECTION 13. Disposal considerations.

13.1. Methods of waste treatment.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

Never allow to enter soil, sewers or waterways. Waste transportation may be subject to ADR.

#### CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

### SECTION 14. Transport information.

The goods must be transported by vehicles authorized to the carriage of dangerous goods according to the current provisions of the Agreement A.D.R. and the national provisions applicable.

The goods must be in original packaging and in any case, in packagings made of materials resistant to their content and not likely to generate dangerous reactions. People loading and the unloading of dangerous goods must be trained on the risks from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR / RID: 3 UN: 1263

Packing Group: III

Label: 3

Nr. Kemler: 30

Limited Quantity: 5 L

Tunnel restriction code. (D / E)

Name: PAINT or PAINT RELATED MATERIAL

Special Provision: 640E

Maritime transport:

IMO class: 3 UN: 1263

Packing Group: III

Label: 3

EMS: F-E, S-E

Marine Pollutant. NO

Proper Shipping Name: PAINT or PAINT RELATED MATERIAL

Airplane transport:

IATA: 3 UN: 1263

Packing Group: III

Label: 3

Cargo:

Packaging instructions: 366 Maximum quantity: 220 L

Pass ..

Packaging instructions: 355 Maximum quantity: 60 L

Special Instructions: A3, A72

Proper Shipping Name: PAINT or PAINT RELATED MATERIAL

For air transport, the environmental hazard label is required only for UN No. 3077 and 3082.

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### SECTION 15. Regulatory information.

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

Seveso category. 6

Restrictions relating to the product or contained substances pursuant to Annex XVII to Regulation (EC) No. 1907/2006

SECTION 15. Regulatory information.

Product.

Point. 3-40

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorization (Annex XIV REACH).

None.

Substances subject to the obligation of export notification Reg. (EC) 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Sanitary checks.

Workers exposed to this chemical agent to health must undergo health checks according to the provisions of Article. 41 of Legislative Decree no. 81 of April 9, 2008 unless the risk for the safety and health of the worker has been assessed irrelevant, according to art. 224 paragraph 2.

Legislative Decree no. 152/2006 and subsequent amendments.

emissions:

TAB. D Class 4 75,00%

Classification for water pollution in Germany (VwVwS 2005).

WGK 1: Slightly hazardous to water

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 3 STOT SE 3 H226

H336

EUH066

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Flammable liquid, Category 3

specific target organ toxicity - single exposure, category 3 Flammable liquid and vapor.

May cause drowsiness or dizziness.

Repeated exposure may cause skin dryness or cracking.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R10

R66

R67

LEGEND:

FLAMMABLE.

Repeated exposure may cause skin dryness or SC REPOLATURE SKIN. Vapours may cause drowsiness and dizziness.

- ADR: European Agreement concerning the Carriage of Dangerous Goods by Road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration that gives effect to 50% of the population subject to testing
- EC NUMBER: Number identifier in ESIS (European database of existing substances)
- CLP: Regulation EC 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- IATA DGR: Regulation for the transport of dangerous goods by the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International Maritime Code for Dangerous Goods
- IMO: International Maritime Organization
- INDEX NUMBER: identification number in Annex VI of the CLP LC50: Lethal concentration, 50% LD50: Dose 5

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### SECTION 16. Other information.

- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predicted Environmental Concentration
- PEL: Predicted Exposure Level
- PNEC: Predicted No Effect Concentration
- REACH: EU Regulation 1907/2006
- RID: Regulations for the international carriage of dangerous goods by rail
- TLV: TLV
- TLV CEILING: Concentration which must not be exceeded during any time of occupational exposure.
- TWA STEL: Short Term Exposure Limit
- TWA: Medium exposure limit weighed
- VOC: Volatile Organic Compound
- VPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Water hazard class (Germany).

### GENERAL BIBLIOGRAPHY

1. Directive 1999/45 / EC as amended
2. Directive 67/548 / EEC and following amendments and adjustments

3. Regulation (EC) 1907/2006 of the European Parliament (REACH)
4. Regulation (EC) 1272/2008 of the European Parliament (CLP)
5. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 of the European Parliament (II ATP. CLP)
8. Regulation (EC) 618/2012 of the European Parliament (ATP III. CLP)
9. The Merck Index. Ed. 10
10. Handling Chemical Safety
11. Niosh - Registry of Toxic Effects of Chemical Substances
12. INRS - Fiche Toxicologique
13. Patty - Industrial Hygiene and Toxicology
14. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989
15. Web Site ECHA Agency

Note for users:

The information contained in this sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

It should not be construed as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility the laws and the current regulations on hygiene and safety. Do not assume responsibility for improper use.

Provide appropriate training of staff involved in the operation of chemicals.

Changes to previous review.

Changes were made to the following sections: 15.