

In accordance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS)- Chapter 1.5 and Annex 4

## SAFETY DATA SHEET

**Product:** CATALYST FOR PLASTIC BODY FILLER SE/ SPEED LIGHT/ PODIUM ONE

Revision: 04

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### 1 - IDENTIFICATION

GHS Product identifier:	CATALYST FOR PLASTIC BODY FILLER SE/ SPEED LIGHT/ PODIUM ONE
Other means of identification:	001143-00
Recommended use of the chemical:	Catalyst for plastic glue.
Restrictions on use:	There are not known restrictions on use of the product.
Supplier's details:	ANJO QUIMICA DO BRASIL LTDA
Address:	Acesso Estadual Rio Maina, nº 1165, Bairro Vila Macarini CEP: 88818-800, Criciúma - SC - BR
Phone number(s):	(48) 34618000 (48) 34618049
Emergency phone number:	CIATox/SC (Centro de Informação e Assistência Toxicológica de Santa Catarina) 08006435252

### 2 - HAZARD IDENTIFICATION

Classification of the substance or mixture:	Organic Peroxides - Type D Skin Corrosion/Irritation - Category 1B Serious eye damage/eye irritation - Category 1 Hazardous to the Aquatic Environment - Acute Hazard - Category 3
Classification system adopted:	Globally Harmonized System of Classification and Labeling of Chemicals (GHS), United Nations.

#### GHS label elements, including precautionary statements

Pictograms:



Signal word: DANGER

Hazard statement(s):  
H242 Heating may cause a fire.  
H314 Causes severe skin burns and eye damage.  
H402 Harmful to aquatic life.

Precautionary statement(s):  
**PREVENTION:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P220 Keep away from clothing and other combustible materials.  
P234 Keep only in original packaging.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.

#### RESPONSE TO EMERGENCY:

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P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 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 or a doctor.  
 P321 Specific treatment.  
 P363 Wash contaminated clothing before reuse.

### STORAGE:

P405 Store locked up.  
 P410 Protect from sunlight.  
 P411 + P235 Store at temperatures not exceeding 95°F. Keep cool.  
 P420 Store separately.

### DISPOSITION:

P501 Dispose of contents and container in accordance with local regulations.

Other hazards which do not result in classification: It is not expected that product presents specific hazards.

### 3 - COMPOSITION/INFORMATION ON INGREDIENTS

#### MIXTURE

Components contributing to the hazard: Benzoyl peroxide . 50 % in phthalate (CAS 1338-23-4): 17.50 - 52.50 %; Methyl ethyl ketone (CAS 78-93-3): 2.50 - 7.50 %.

### 4 - FIRST-AID MEASURES

#### Routes of exposure

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim feels unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Bring this SDS.

Skin: Wash exposed skin immediately with sufficient amount of water to remove the material. Take off contaminated clothing or accessories. In case of smaller contact with skin, avoid spreading to other areas. Contact a doctor. Bring this SDS.

Eye: Wash the eyes with sufficient amount of water immediately for several minutes, keeping the eyes opened. In case of use of contact lenses, remove them, if possible. Keep washing. Contact a doctor. Bring this SDS.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse the victims mouth with water in abundance. Contact immediately a doctor. Bring this SDS.

Most important symptoms/effects, acute and delayed: Causes severe skin burns and eye damage with pain, blistering and peeling. burning, tearing and pain.

Indication of Avoid contact with the product to help the victim. Keep victim warm and quiet.

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immediate medical attention and special treatment needed, if necessary: Symptomatic treatment should comprise mainly supportive measures such as correction of electrolyte disturbances, metabolic, and respiratory support. In case of skin contact do not rub the affected area.

### 5 - FIRE-FIGHTING MEASURES

**Extinguishing Media:** Appropriate: carbon dioxide (CO<sub>2</sub>), foam, water mist and dry chemical powder. Inappropriate: water jet directly.

**Specific hazards arising from the chemical:** The combustion or the chemical containers may form toxic and irritant gases such as carbon monoxide and carbon dioxide. Very dangerous when exposed to combustible, flammable or explosive materials. Containers may explode if heated. Fight fire remotely due to the risk of explosion.

**Special protective actions for fire-fighters:** Use self-contained breathing apparatus (SCBA) operated in positive pressure mode and complete protective clothing. Containers and tanks involved in the fire should be cooled with water mist.

### 6 - ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** Prevent sparks or flames. Do not smoke. Do not touch or walk over spilled material. Avoid exposure to the product. Stay away from low areas, with wind from behind. Use personal protective equipment as described in Section 8.

**For emergency service personnel:** Wear complete PPE with safety glasses, safety gloves, suitable protective clothing and closed shoes. In case of leakage, where exposure is high, it is recommended to use a suitable respiratory protection mask.

**Environmental precautions:** Avoid that the spilled material reaches waterways or sewage system.

**Method and materials for containment and cleaning up:** Use natural barriers or spill containment. Collect spilled material and put it into containers. Adsorb the remaining product with dried sand, vermiculite or any other inert material. Put the adsorbed material in appropriate containers and remove them to a safe place. Use tools that do not cause sparks to collect absorbed material. For final destination, proceed pursuant to Section 13 of this SDS.

### 7 - HANDLING AND STORAGE

#### Precautions for safe handling

**Safe handling of the substance or mixture:** Handle in a well ventilated area or with general system of ventilation/local exhaust. Avoid vapors and mists formation. Avoid exposure to the chemical, since the effects may not be felt immediately.

**General hygiene:** Wash hands and face thoroughly after handling and before eating, drinking, smoking or going to the bathroom. Contaminated clothing should be changed and washed before reuse. Remove clothing and protective equipment contaminated before entering eating areas.

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

**Technical measures for prevention of fire:** It is not expected that the product presents a fire or explosion hazard. Use personal protective equipment as described in Section 8.

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and explosion:

Adequate conditions: Store in a well ventilated place, away from sunlight. Keep container closed. Keep away from high temperatures. Keep stored at room temperature not exceeding 35°C (95°F).

Packaging compatibilities: Similar to the original packaging.

Inadequate packaging materials: There are not known unsuitable material of the product.

### 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

Occupational exposure limit: The values below apply to workplaces.

- Methyl ethyl ketone:  
OSHA - PEL - TWA: 200 ppm; 590 mg/m<sup>3</sup>;  
NIOSH - REL - TWA: 200 ppm;  
NIOSH - REL - STEL: 300 ppm;  
ACGIH - TLV - TWA: 200 ppm;  
ACGIH - TLV - STEL: 300 ppm.
- Benzoyl peroxide , 50 % in phthalate:  
ACGIH - TLV - Ceiling: 0.2 ppm.

Biological limit: - Methyl ethyl ketone:  
ACGIH - BEI: Determinant: Methyl ethyl ketone in urine. Sampling Time: End of shift.  
Index: 2.00 mg/L. Ns.

Ns: The determinant is nonspecific, since it is also observed after exposure to other chemicals.

Other limits and values: Not established.

Appropriate engineering controls: Provide mechanical ventilation and direct exhaust system to the outside environment. These measures help reduce the exposure to the product. Maintain atmospheric concentrations of the constituents of the product below occupational exposure limits indicated.

#### Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection: Safety glasses.

Skin protection: Closed shoes and suitable protective clothing. Appropriate protective gloves.

Respiratory protection: A risk assessment should be performed for proper definition of respiratory protection, in view of the product use conditions.

Thermal hazards: Does not present thermal hazards.

### 9 - PHYSICAL AND CHEMICAL PROPERTIES

Aspect: Liquid, pasty.

Color: Not available.

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Odour:	Not available.	
Melting point/freezing point:	Not available.	
Boiling point or initial boiling point and boiling range:	Not available.	
Flammability:	Not available.	
Lower and upper explosion limit/flammability limit:	Not available.	
Flash point:	Not available.	
Auto-ignition temperature:	Not available.	
Decomposition temperature:	Not available.	
pH:	Not available.	
Kinematic viscosity:	Not available.	
Solubility:	Partially miscible with water.	
Partition coefficient n-octanol/water (log value):	Not available.	
Vapour pressure:	Not available.	
Relative vapour density:	Not available.	
Density and/or relative density:	Not available.	
Particle characteristics:	Not applicable.	
Other information:	Absolute density: 1180 kg/m <sup>3</sup> .	

### 10 - STABILITY AND REACTIVITY

Reactivity:	Reactivity is not to be expected under normal conditions of temperature and pressure
Stability:	Product is stable under normal conditions of temperature and pressure.
Possibility of hazardous reactions:	There are not known hazardous reactions with the product.
Conditions to avoid:	Elevated temperatures. Contact with incompatible materials.
Incompatible material:	Acids, Amines, Ammonia, Copper, Iron, Isocyanates, Pyridines, Strong base and Strong Oxidizing agents.
Hazardous decomposition	There are not known hazardous decomposition products.

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products:

### 11 - TOXICOLOGICAL INFORMATION

Acute toxicity:	It is not expected that the product presents acute toxicity.
Skin corrosion/irritation:	Causes severe skin burns and with pain, blistering and peeling.
Serious eye damage/irritation:	Causes serious eye damage with burning, tearing and pain.
Respiratory or skin sensitization:	It is not expected that the product presents respiratory or skin sensitization.
Germ cell mutagenicity:	It is not expected that the product presents germ cell mutagenicity.
Carcinogenicity:	It is not expected that the product presents carcinogenicity.
Reproductive toxicity:	It is not expected that the product presents reproductive toxicity.
STOT - Single exposure:	It is not expected that the product presents specific target organ toxicity by single exposure.
STOT - Repeated exposure:	It is not expected that the product presents specific target organ toxicity by repeated exposure.
Aspiration Hazard:	It is not expected that the product presents aspiration hazard.

### 12 - ECOLOGICAL INFORMATION

Toxicity:	Harmful to aquatic life.
Persistence and degradability:	Due to the lack of data, it is expected that the product presents persistence and it is not considered readily biodegradable.
Bioaccumulative potential:	Presents low bioaccumulative potential in aquatic organisms.
Mobility in soil:	Not determined.
Other adverse effects:	There are not known other environmental effects for this product.

### 13 - DISPOSAL CONSIDERATIONS

#### Disposal methods

Must be disposed of as hazardous waste in compliance with local regulations. The treatment and disposal should be evaluated for each specific product.  
Keep the product remains in its original and properly closed containers. Disposal should be performed as established for the product.

### 14 - TRANSPORT INFORMATION

<b>Road:</b>	UN - United Nations: Model Regulations: • Recommendations on the Transport of Dangerous Goods.
UN number:	3105
Proper shipping	ORGANIC PEROXIDE TYPE D, LIQUID (Methylethylketone peroxide)

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name:

Primary risk class or  
division: 5.2

Subsidiary risk class  
or division: NA

Packing group: NA

**Railway regulations:** COTIF - Convention concerning International Carriage by Rail:  

- Appendix C: RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

UN number: 3105

**Sea:** IMO - International Maritime Organization:  

- IMDG Code - International Maritime Dangerous Goods Code.

UN number: 3105

Proper shipping name: ORGANIC PEROXIDE TYPE D, LIQUID (Methylethylketone peroxide)

Primary risk class or  
division: 5.2

Subsidiary risk class  
or division: NA

Packing group: NA

EmS: F-J,S-R

Environmental hazards: The product is not considered a marine pollutant for transportation.

**Air:** IATA - International Air Transport Association:  

- DGR - Dangerous Goods Regulation.

UN number: 3105

Proper shipping name: ORGANIC PEROXIDE TYPE D, LIQUID (Methylethylketone peroxide)

Primary risk class or  
division: 5.2

Subsidiary risk class  
or division: NA

Packing group: NA

Special precautions  
for user: Not applicable

### 15 - REGULATORY INFORMATION

Convention concerning Safety in the use of Chemicals at Work (Convention 170) - International Labour Organization, 1990.

### 16 - OTHER INFORMATION

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This SDS was prepared based on current knowledge about the proper product handling and under normal conditions of use, in accordance with the application specified on the packaging. Any other use of the product involving their combination with other materials, and use various forms of those indicated, are the responsibility of the user. Warns that the handling of any chemical substance requires the prior knowledge of its hazards for the user. In the workplace it is for the user company's product promotes training of its collaborators about the possible risks arising from exposure to the chemical.

Elaborated July 2021.

**Change Control:**

Version	Publication Date	Changes
04	07/07/2021	Change in composition. Change in section: 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16.

**Abbreviations:**

ACGIH - American Conference of Governmental Industrial Hygienists;  
BEI - Biological Exposure Index;  
CAS - Chemical Abstracts Service;  
Ceiling - The concentration that should not be exceeded during any part of the working exposure.  
IARC - International Agency for Research on Cancer;  
NIOSH - National Institute for Occupational Safety and Health;  
OSHA - Occupational Safety & Health Administration;  
PEL - Permissible Exposure Limit;  
REL - Recommended Exposure Limit;  
STEL - Short Term Exposure Limit;  
TLV - Threshold Limit Value;  
TWA - Time Weighted Average;  
UN - United Nations.

**Bibliographic references:**

GHS - GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS. 8th rev. ed. New York: United Nations, 2019.

ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIALS HYGIENISTS. TLVs® and BEIs®: Based on the Documentation of the Threshold Limit Values (TLVs®) for Chemical Substances and Physical Agents & Biological Exposure Indices (BEIs®). Cincinnati-USA, 2020.

ECHA - EUROPEAN CHEMICAL AGENCY. Disponível em: < <http://echa.europa.eu/web/guest> >. Access in: Jul. 2021.

GESTIS - SUBSTANCE DATABASE. Disponível em: < [http://gestis-en.itrust.de/nxt/gateway.dll/gestis\\_en/000000.xml?f=templates\\$fn=default.htm\\$3.0](http://gestis-en.itrust.de/nxt/gateway.dll/gestis_en/000000.xml?f=templates$fn=default.htm$3.0) >. Access in: Jul. 2021.

HSDB - HAZARDOUS SUBSTANCES DATA BANK. Available at: <http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>. Access in: Jul. 2021.

IARC - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER. Available at: <http://monographs.iarc.fr/ENG/Classification/index.php>. Access in: Jul. 2021.

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Access in: Jul. 2021.

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Available at: <http://ecb.jrc.ec.europa.eu>.

NIOSH - NATIONAL INSTITUTE OF OCCUPATIONAL AND SAFETY. International Chemical Safety Cards.  
Available at: <http://www.cdc.gov/niosh/>. Access in: Jul. 2021.

TOXNET - TOXICOLOGY DATA NETWORKING. ChemIDplus Lite. Available at: <http://chem.sis.nlm.nih.gov/>.  
Access in: Jul. 2021.