

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH), (EU) No. 2020/878

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

**1.1. Product identifier:**

Code: SDS  
LM001  
Product name: Astromodel - Smalto base neutra

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

Relevant uses: Paint  
Uses advised against: All uses not specified in this section or in section 7.3

**1.3. Details of the supplier of the safety data sheet:**

Name: ASTROMODEL S.A.S.  
Full address: VIA DEL CAMPASSO, 16  
District and Country: 16151 GENOVA (GE)  
ITALY  
Phone: +39.010.24.64.555

**1.3.1. Responsible person:** [lifecolor@astromodel.it](mailto:lifecolor@astromodel.it)

**1.4. Emergency telephone number:**

For urgent inquiries refer to: Tel. +39.010.35.28.08 Centro Antiveleni AZIENDA OSP.SAN MARTINO - GENOVA

### SECTION 2: HAZARDS IDENTIFICATION

**2.1. Classification of the substance or mixture:**

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

**2.2. Label elements:**

CLP Regulation (EC) No 1272/2008:

None.

**2.3. Other hazards:**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1. Substances:**

Non-applicable

**3.2. Mixtures:**

**Chemical description:** Mixture composed of additives, pigments and resins

**Components:** None of the substances contained in the mixture are above the values fixed in Annex II of Regulation (EC) No 1907/2006 and subsequent amendments and adjustments (REGULATION (EU) 2020/878).

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures:

Consult a doctor in case of discomfort showing the SDS for the product.

**By eye contact:** Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

**By skin contact:** In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet

**By ingestion/aspiration:** In case of consumption in large quantities, it is recommended to seek medical assistance.

**By inhalation:** In case of symptoms, move the person affected into fresh air.

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

Acute and delayed effects are indicated in section 11.

### 4.3. Indication of any immediate medical attention and special treatment needed:

Non-applicable.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media:

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use.

#### 5.1.1. Suitable extinguishing media:

In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water, ...).

#### 5.1.2. Unsuitable extinguishing media:

No one in particular.

### 5.2. Special hazards arising from the substance or mixture

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

### 5.3. Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

#### **Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures:

#### 6.1.1. For those not directly involved:

Wear personal protective equipment.  
Move people to a safe place.  
Refer to the protective measures set out in points 7 and 8.

#### 6.1.2. For those directly involved:

Wear personal protective equipment.  
Isolate spills or spillages as long as this does not imply an additional risk for those who performing this operation.

### 6.2. Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

### 6.3. Methods and material for containment and cleaning up:

It is recommended:  
Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

### 6.4. Reference to other sections:

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling:

#### A.- Precautions for safe manipulation.

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

#### B.- Technical recommendations for the prevention of fires and explosions.

It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided.

#### C.- Technical recommendations to prevent ergonomic and toxicological risks.

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

#### D.- Technical recommendations to prevent environmental risks.

It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2.

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

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

There are no occupational exposure limits for the substances contained in the product.

### 8.2. Exposure controls:

#### 8.2.1. **Appropriate technical controls:**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

#### 8.2.2. **Personal protective measures, such as personal protective equipment:**

##### **HAND PROTECTION**

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

##### **SKIN PROTECTION**

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

##### **EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

##### **RESPIRATORY PROTECTION**

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### 8.2.3. **Additional emergency measures:**

It is not necessary to take additional emergency measures.

#### 8.2.4. **Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties:

Parameter	Value / Test method / Remarks
Physical state at 20 °C	Liquid
Color	Characteristic
Odour	Characteristic
Odour threshold	Non-applicable*
Melting/freezing point	Non-applicable*
Boiling point or initial boiling point	>100° C
Boiling range	Non-applicable*
Flammability	Non-applicable*
Lower and upper explosivity limit	Non-applicable*
Point of ignition	Non-applicable*
Self-ignition temperature	Non-applicable*
Temperature of decomposition	Non-applicable*
pH	6,5 - 7,2
Kinematic viscosity	Non-applicable*
Solubility in water in other solvents	Miscible with water
Partition coefficient n-octanol/water (logarithmic value)	Non-applicable*
Vapour pressure	Non-applicable*
Density and/or relative density	1,120 Kg/l
Relative vapour density	Non-applicable*
Characteristics of the particles	Non-applicable*

### 9.2. Other information:

#### 9.2.1. Information on physical hazard classes:

Non-applicable\*

#### 9.2.2. Other safety features:

Non-applicable\*

*\*Not relevant due to the nature of the product, not providing information property of its hazards.*

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity:

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

### 10.2. Chemical stability:

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

### 10.3. Possibility of hazardous reactions:

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid:

None in particular. However the usual precautions used for chemical products should be respected.

### 10.5. Incompatible materials:

Information not available.

### 10.6. Hazardous decomposition products:

Information not available.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

#### A- Ingestion (acute effect):

- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **Corrosivity/Irritability:** Based on available data, the classification criteria are not met.

#### B- Inhalation (acute effect):

- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **Corrosivity/Irritability:** Based on available data, the classification criteria are not met.

#### C- Contact with the skin and the eyes (acute effect):

- **Contact with the skin:** Based on available data, the classification criteria are not met.
- **Contact with the eyes:** Based on available data, the classification criteria are not met.

#### D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- **Carcinogenicity:** Based on available data, the classification criteria are not met.  
IARC: Titanium dioxide (2B); Formaldehyde (1).
- **Mutagenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.

#### E- Sensitizing effects:

- **Respiratory:** Based on available data, the classification criteria are not met.
- **Cutaneous:** Based on available data, the classification criteria are not met.

#### F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met.

#### G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met.
- Skin: Based on available data, the classification criteria are not met.

#### H- Aspiration hazard:

Based on available data, the classification criteria are not met.

#### Other information:

Non-applicable.

#### Specific toxicology information on the substances:

Not available.

### 11.2. Information on other hazards:

#### Endocrine disrupting properties:

No endocrine disruptors present in concentration  $\geq 0.1\%$ .

## SECTION 12: ECOLOGICAL INFORMATION

As no specific data are available on the preparation, use according to good working practices and avoid dispersing the product in the environment. Avoid dispersing the product in soil or water courses. Notify the competent authorities if the product has reached watercourses or contaminated soil or vegetation. Please, take measures to minimise the effects on groundwater.

**12.1. Toxicity:**

Not available.

**12.2. Persistence and degradability:**

Not available.

**12.3. Bioaccumulative potential:**

Not available.

**12.4. Mobility in soil:**

Not available.

**12.5. Results of PBT and vPvB assessment:**

Based on available data, the product does not contain PBT or vPvB substances in excess of 0.1%.

**12.6. Endocrine disrupting properties:**

No endocrine disruptors present in concentration  $\geq$  0.1%.

**12.7. Other adverse effects:**

Not available.

## SECTION 13: DISPOSAL CONSIDERATION

**13.1. Waste treatment methods:**

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. . We do not recommended disposal down the drain. See epigraph 6.2.

## SECTION 14: TRANSPORT INFORMATION

The product shall not be considered dangerous under the provisions in force concerning the transport of dangerous goods by road (ADR), rail (RID), sea (IMDG Code) and air (IATA).

**14.1. UN number or ID number:**

Non-dangerous goods under transport regulations.

**14.2. UN proper shipping name:**

Non-applicable.

**14.3. Transport hazard class(es):**

Non-applicable.

**14.4. Packing group:**

Non-applicable.

**14.5. Environmental hazards:**

Non-applicable.

14.6. **Special precautions for user:**

Non-applicable.

14.7. **Maritime transport in bulk according to IMO instruments:**

Non-applicable.

**SECTION 15: REGULATORY INFORMATION**

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

**Seveso category - Directive 2012/18/EC:**

None.

**Restrictions on the product or substances contained in accordance with Annex XVII Regulation (EC) 1907/2006:**

None.

**Substances in Candidate List (Art. 59 REACH):**

Based on available data, the product does not contain any SVHC substances in excess of 0.1%.

**Substances subject to authorisation (REACH Annex XIV):**

None.

**Substances subject to export notification Reg. (EC) 649/2012:**

None.

**Substances subject to the Rotterdam Convention:**

None.

**Substances subject to the Stockholm Convention:**

None.

**Health checks:**

No information available.

**VOC (Directive 2004/42/CE):**

Paints for decorative effects.

**VOCs expressed in g/litre of ready-to-use product:**

Maximum limit: 200,00 (2010)

Product VOC: < 200

15.2. **Chemical safety assessment:**

A chemical safety assessment has not been developed for the mixture and the substances in it.

**SECTION 16: OTHER INFORMATION**

**Legislation applicable to safety data sheets:**

This safety data sheet has been developed in accordance with Annex II-Guide for the Preparation of Safety Data Sheets Safety Data of Regulation (EC) No 1907/2006 (Regulation (EU) No 2015/830).

**Changes from previous safety data sheet:**

This sheet has been revised in all its sections in accordance with Regulation 2020/878.



**Texts of the legislative sentences referred to in Section 3:**

The phrases given here do not refer to the product itself, they are only for explanatory purposes and refer to the individual components which appear in Section 3.

**Regulation 1272/2008 (CLP):**

Not applicable.

**Classification procedure:**

Not applicable.

**Advice on training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>  
<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- BCF: Bioconcentration factor
- BOD5: 5-day biochemical oxygen demand
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- COD: : Chemical Oxygen Demand
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA: International Air Transport Association
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- ICAO: International Civil Aviation Organisation
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- Koc: Partition coefficient of organic carbon
- LC50: Lethal Concentration 50
- LD50: Lethal Dose 50
- Log-POW: Octanol-water logarithmic partition coefficient
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German)

**Note for users:**

The information in this sheet is based on the knowledge available to us at the date of the last version. The user shall ensure that the information is appropriate and complete for the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product is not under our direct control, it is the user's responsibility to comply with the laws and regulations in force regarding hygiene and safety. Not liable for misuse.

Provide adequate training to personnel involved in the use of chemicals.

This safety data sheet cancels and replaces all previous versions.