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| 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY |  |  |  |
|---|--|--|--|
| 1.1. Product identifier                             |  |  |  |
| Trade name  | Dinosaurs 3 in 1 –art.nr. 01409  |  |  |
|   |  |  |  |
| 1.2. Relevant identified uses of the                | mixtures and uses advised against  |  |  |
| Use   | Each set consists of 6 poster paint cups ( $\approx$ 5 gr each) and 1 bag of |  |  |
|   | gypsum (0,3 kg) to cast and paint a 1-rex. Scratch cards with                |  |  |
|   | SCIAICH SICK and not of beaus set.   |  |  |
|   |  |  |  |
| Uses advised against                                | Not to be used by children under 3 years of age.                             |  |  |
| -   |  |  |  |
| 1.3. Details of the supplier of the sa              | fety data sheet  |  |  |
| Company   | SES-Nederland B.V.   |  |  |
|   | Marssteden 46  |  |  |
|   | 7547 TC Enschede   |  |  |
|   | The Netherlands  |  |  |
|   | Telephone :+31 (0)53 428 3666  |  |  |
|   | Telefax :+31 (0)53 428 3665  |  |  |
|   |  |  |  |
| Information (Product safety)                        | Telephone :+31 (0)53 428 3666  |  |  |
|   | l eletax :+31 (0)53 428 3665   |  |  |
| F-mail  | info@ses nl  |  |  |
|   |  |  |  |
| 1.4. Emergency telephone number                     | +31 (0)6 290 53 671  |  |  |

#### 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substances or mixtures

Classification (REGULATION (EC) No 1272/2008) Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

#### 2.2. Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

#### 2.3. Other hazards

No hazards to be specially mentioned

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#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substance (gypsum, bag 300 grams)

Name: Calcium sulphate CaSO4 ½ H2O EU No: 231-900-3 REACH No: 01-2119444918-26-0183 CAS No: 7778-18-9 Stabiliser: none Impurities: no impurities that are relevant for classification and labelling. Additional information: none

#### 3.2. Mixture (poster paint) Chemical description

mixture

| Dangerous components<br><u>CHEMICAL</u> | CAS#       | EINECS#   | CONCENTRATIO | N REGULATED     |
|---|------------|-----------|--------------|-----------------|
| 2-Phenoxyethanol*                       | 122-99-6   | 204-589-7 | 0,75-0,85%   | H302, H318;H335 |
| 3-(2-ethylhexyloxy)propane-1,2-diol     | 70445-33-9 | 408-080-2 | 0,08-0,095%  | H318, H332      |

For Full text of the H-Statements mentioned in this section, see section 16.

\*2-Phenoxyethanol is present as preservative and found to be safe in toys at concentrations below 1%

#### 4. FIRST AID MEASURES

#### General information:

#### **Poster paint:**

No lasting effects with correct use of product. However if effects are anticipated, please observe the following recommendations

In eyes

*:* In case of contact with eyes, rinse immediately with plenty of water for 10 to 15 minutes, with eyelid open. Consult doctor.

#### Gypsum:

No lasting effects with correct use of product. However if effects are anticipated, please observe the following recommendations

| In eyes    | In case of contact with eyes, rinse immediately with plenty of water for 10 to 15 minutes, with eyelid open. Consult doctor.                   |
|------------|--|
| On skin    | : Wash with plenty of water for at least 15 minutes if person feels unwell. Remove soiled clothes. Consult doctor.                             |
| Inhalation | Provide fresh air. In case of respiratory failure, administer artificial ventilation.<br>In case of breathing difficulties, administer oxygen. |
| Ingestion  | : Induce vomiting if person is conscious. Consult doctor.  |

#### Information for the doctor:

Neutral salt, well tolerated by skin. No allergic reaction known. Soluble dust.

#### 5. FIRE FIGHTING MEASURES

*Flash Point* : Product does not burn *Extinguishing Media:* Adjust fire-fighting measure to environment. No unsuitable extinguishing agents.

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| Special Protective            | :-  |  |
|-------------------------------|---|--|
| Equipment<br>Exposuro bazardo | : In case of fire Carbon Monovide, Nitroge                                    | n Ovides and Carbon Dievide can be             |
| Exposure nazarus              | formed.   | IT Oxides and Carbon Dioxide can be            |
| 6. ACCIDENTAL F               | RELEASE MEASURES  |  |
| Cleaning up                   | : dispose of in compliance with federal, sta                                  | ate and local environmental control            |
|                               | regulations.  |  |
| Environmental                 |   |  |
| Precautions                   | : Gypsum: Mechanical collection and trans                                     | sport to disposal site in suitable containers. |
| _ /                           | Solid material should be collected wet or                                     | vacuumed up to avoid dust.                     |
| Personal                      | Anniel Durch former stime inchestering of short                               |  |
| precautions                   | : Avoid: Dust formation, inhalation of dust                                   | particle, contact with eyes                    |
| 7. HANDLING AN                | DSTORAGE  |  |
| Handling                      | : Do not store near flame, excessive heat $(27.7  \text{°C})$ do not fraction | or sparks                                      |
| Storage temperatur            | $e^{-100}$ F (37,7 C), do not lieeze.   |  |
| 8. EXPOSURE CO                | NTROLS/PERSONAL PROTECTION  |  |
| 8.1.1. Exposure lim           | it values   |  |
|                               |   |  |
| Poster paint:                 |   |  |
| Hygiene measures              | :-  |  |
| Engineering                   |   |  |
| Measures                      | :-  |  |
| Occupational                  |   |  |
| Exposure                      | · No occupational expedure limits have be                                     | on actablished Natharlanda                     |
| Lillillo UEL<br>Porsonal      | : No occupational exposure limits have be                                     | en established - Nethenands                    |
| Personal<br>Procentions       | •_  |  |
| riecautions                   |   |  |
| Gypsum:                       |   |  |
| Material                      | Dust, alveolar fracti   | ion  |
|                               | Limit value – 8h average  | Limit value – short-term exposition            |
|                               | Ma/m3   | Mg/m3  |
| Germany (TRGS 90              | 0) 3 A  | 6 A  |
| Germany (DEG)                 | 15Δ   |  |
| Material                      | Dust breathable fr  | action   |
| Material                      | l imit value – 8h average   | limit value – short-term exposition            |
|                               | Ma/m3   | Ma/m3  |
| Germany (TRCS 00              | 0) 10 F   | 20 F   |
| Germany (DEC)                 |   | 20 L   |
| Matorial                      | 4 L<br>Calaium aulabata   |  |
| wateria                       |   |  |
|                               | Limit value – 8h average  | Limit value – snort-term exposition            |

Mg/m3

Germany (TRGS 900) Germany (DFG) 6 A 4 E 1,5 A

Mg/m3

#### Notes

Germany (AGS) 15 minutes average, insoluble particles Germany (DFG) Insoluble particles

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8.1.2 Biological limit values:

None.

#### 8.1.3 Technical measures to avoid exposition:

Local ventilation when used indoors. Dust filter in chimney for industrial use.

## 8.1.4 Additional exposition limit values under processing conditions: Gypsum

### DNEL/DMEL and PNEC values:

| Exposure sample                | DNEL (employee)   |
|--------------------------------|---|
| Short-term, repeated and acute | 5082 mg/m3  |
| Long-term, repeated            | 21.17 mg/m3   |
|                                | <b>Exposure sample</b><br>Short-term, repeated and acute<br>Long-term, repeated |

#### Exposure route Exposure sample DNEL (consumer)

| Inhalation | Short-term, repeated and acute                     | 3811 mg/m3<br>5.29 mg/m3               |
|------------|--|--|
| Swallowing | Short-term, repeated and acute Long-term, repeated | 11.4 mg/kg KW/day<br>1.52 mg/kg KW/day |

#### PNECS:

#### **PNCS Notes**

#### Water

Not acutely toxic for fish, invertebrates, algae and microorganisms with concentrations as shown in studies. Acute toxicity of calcium sulphate for fish, invertebrates, algae and microorganisms generally higher than the highest checked concentrations and bigger than the maximum solubility of calcium sulphate in water.

#### Sediment

Not to be used due to general spread of calcium and sulphates in the environment.

#### Ground

Not to be used due to general spread of calcium and sulphates in the environment.

#### Sewage plants

100 mg/l

| 9. PHYSICAL AN | ID CHEMICAL PROPERTIES   |                    |
|----------------|--------------------------|--------------------|
| -              | Poster paint             | Gypsum             |
| Appearance     | : Viscous colored liquid | Cristalline Powder |
| Colour         | : 6 colours              | White to beige     |
| Odour          | <i>:</i> typical         | -                  |
| Density        | <i>:</i> 1,2             | 2,96               |
| Boiling point  | <i>:</i> > 100°C         | -                  |
| Melting point  | :-                       | 1450°C             |



| CREATIVE |
|----------|
|          |

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Vapour pressure

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:-

| Flash point                   | :-             | -                      |                              |                                       |
|-------------------------------|----------------|------------------------|------------------------------|---------------------------------------|
| Solubility in water           | :-             | 6g/                    | l (20°C)                     |                                       |
| Ignition temperature          | ):-            | -                      | <b>、</b>                     |                                       |
| Explosion limits              | :-             | not                    | explosive                    |                                       |
| -                             |                |                        | -                            |                                       |
| 10. STABILITY AND             | REACTIVITY     | Y                      |                              |                                       |
| Stability                     | : Stable unde  | er normal conditions   |                              |                                       |
| Conditions to avoid           | : Extreme ter  | nperatures             |                              |                                       |
| Materials to avoid            | : Oxidizing ag | gents, strong alkali a | and strong acidi             | ic materials                          |
| Hazardous                     |                | -                      | c                            |                                       |
| decomposition                 |                |                        |                              |                                       |
| products                      | : Carbon mor   | noxide(CO), Nitroge    | en Oxides (No <sub>x</sub> ) | carbon dioxide(CO <sub>2</sub> )      |
| •                             |                |                        | ( )                          | , , , , , , , , , , , , , , , , , , , |
| 11. TOXICOLOGICAL INFORMATION |                |                        |                              |                                       |
| Acute toxicity                |                |                        |                              |                                       |
| Poster paint                  |                |                        |                              |                                       |
| Component                     |                | Result                 | Species                      | Dose                                  |
| 2-phenoxyethanol              |                | LD50 Oral              | Rat                          | 1850mg/kg                             |
|                               |                | LC50 inhalation        | Rat                          | 8h, could not be determined,          |
|                               |                |                        |                              | no mortality observed at max.         |
|                               |                |                        |                              | achievable concentration              |
|                               |                | LD50 Dermai            | Det                          | >2000 mg/kg                           |
| 3-(2-ethylnexyloxy)prop       | ane-1,2-diol   | LD50 Oral              | Rat                          | >2000 mg/kg (OECD 401)                |
|                               |                | LC50 Innalation        | Rat                          | 3,07 mg/l (OECD 403)                  |
| Skin correction/irritati      | <b>on</b>      | LD50 Dermai            | Ral                          | >2000 mg/kg (OECD 402)                |
| Skill corrosion/-irritati     | on             | Spacios                | Pocult                       |                                       |
| 2-phenoxyethanol              |                | Species<br>Rabbit      | No skin irrita               | tion ( $OECD 404$ )                   |
| 3-(2-ethylhexyloxy)prop       | ane-1.2-diol   | Rabbit                 | Mild irritation              | (OECD 404)                            |
|                               |                |                        |                              |                                       |

Serious eye damage/eye irritationComponentSpecies2-phenoxyethanolRabbit3-(2-ethylhexyloxy)propane-1,2-diolRabbit

Respiratory or skin sensitisation

| Component                           | Species    | Result                      |
|-------------------------------------|------------|-----------------------------|
| 2-phenoxyethanol                    | Guinea pig | No sensitisation (OECD 406) |
| 3-(2-ethylhexyloxy)propane-1,2-diol | various    | No sensitisation (OECD 406) |

Conclusion: Based on the available information and reports- and recommendations of ECHA, the concentrations of the individual components in the mixture are safe for the use in play by young children. Occupational exposure at dangerous levels, when handling the finished product is not likely to occur, due to these low concentrations and due to nature of the packaging.

Result

Serious eye irritation (OECD 405)

Serious eye irritation (OECD 405)

| <b>Gypsum</b><br><b>Relevant danger class</b><br>Acute oral toxicity | Impact dosage<br>LD50 > 1581mg/kg bw | <b>Species</b><br>Rat | Method<br>OECD 420 | Notes   |
|--|--------------------------------------|-----------------------|--------------------|---|
| Acute dermal toxicity  | n/a                                  |                       |                    | No dermal toxicitydue to low absorption potential |
| Acute inhalative toxicity  | LC50 > 2.61 mg/l                     | Rat                   | OECD 403           | Maximum given dosage                              |
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| Corrosive/irritating<br>effect on skin    | n/a                | Rabbit         | OECD 404             | Not irritating   |
|---|--------------------|----------------|----------------------|--|
| Severe damage/irritation on eye           | n/a                | Rabbit         | OECD 405             | Not irritating   |
| Sensitisation of<br>respiratorytract/skin | n/a                | Guinea pig     | OECD 406             | No skin sensitizing material   |
| Nucleus mutagenicity                      | n/a                | In vitro tests | OECD 471             | Not mutagen  |
|   |                    | Mouse          | OECD 476<br>OECD 474 | Not mutagen  |
| Carcinogenicity                           | n/a                |                |                      | No carcinogenicity through<br>Calcium sulfate  |
| Reproduction toxicity                     | NOAEL 790 mg/kg bw | Rat            | OECD 422             | No signs of reproduction<br>Toxicity   |
| STOT single exposure                      | n/a                |                |                      | No organ toxicity found in   |
| STOT repeated exposure                    | n/a                |                |                      | No signs of specific target<br>organ toxicity on repeated<br>exposure of calcium sulfate |
| Aspiration risk                           | n/a                |                |                      | No aspiration risk foreseen  |

#### 12. ECOLOGICAL INFORMATION

| 12.1. Toxicity<br>Poster paint          |   |                    |  |  |  |                                  |   |
|---|---|--------------------|--|--|--|----------------------------------|---|
| Component<br>2-phenoxyethanc            | 91                                      |                    | Result<br>LC50 (f<br>EC50 (v<br>IC50 (a<br>Chronic<br>Chronic  | ish)<br>water flea)<br>Igae)<br>:al toxicity (fish)<br>:al toxicity (wate              | <i>Species</i><br>Leuciscus idus<br>Daphnia magna<br>Desmodesmus subspic<br>Pimephales promelas<br>r flea) Daphnia magna | atus                             | Dose<br>>100 mg/l – 96h<br>>500 mg/l – 48h<br>>500 mg/l – 72h<br>NOEC: 23mg/l, 34d<br>NOEC: 9,43 mg/l, 21d                          |
| 3-(2-ethylhexylox                       | y)propane-1,2-dic                       | bl                 | LC50 (f<br>EC50 (v<br>IC50 (a<br>Chronic<br>Chronic<br>EC50 (l | ish)<br>water flea)<br>lgae)<br>:al toxicity (fish)<br>:al toxicity (wate<br>pacteria) | Brachydanio rerio<br>Daphnia magna<br>Desmodesmus subspic<br>Branchydanio rerio<br>r flea) Daphnia magna                 | atus                             | 60,2 mg/l<br>78,3 mg/l – 48h<br>48,3 mg/l – 72h<br>NOEC: 1,5mg/l, 35d<br>(OECD 210)<br>NOEC: 20 mg/l, 21d<br>(OECD 211)<br>560 mg/l |
| Current                                 |   |                    | IC50 (a  | lgae)  | Desmodesmus subspic  | atus                             | 3,6 mg/l – 72h  |
| Aquatic toxicity<br>Acute fish toxicity | <b>Impact dosage</b><br>/LC 50 >79 mg/l | <b>Exp</b><br>96 h | . period   | <b>Species</b><br>Japanese rice f  | <b>Method</b><br>ïshOECD203  | <b>Notes</b><br>Harmle<br>Tested | ss up to LIMIT test concentration   |
| Acute daphnia<br>Toxicity               | EC 50 >79 mg/l                          | 48 h               | 1  | Daphnia magna  | a OECD202  | Harmle<br>Tested                 | ss up to LIMIT test concentration   |
| Acute algae                             |   |                    |  | Selenastrum  |  | Harmle                           | ss up to LIMIT test   |

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Toxicity E 50 >79 mg/l 72 h capricornutum OECD201 tested concentration Toxicity in EC 50 >790 mg/l 3 h Activated sludge OECD209 Harmless for relation to microorganisms sewage microorganisms

No toxicities seen after neutralization.

The material can hydrolise to calcium and sulfations.

The listed effects can result partially from decomposition products.

The environmental information was measured on the hydrolised product

#### 12.2 Persistence and biodegradability

**Poster paint** Component Result 2-phenoxyethanol Biodegradation: 90-100%, exposure-time: 15d (OECD 301A) 3-(2-ethylhexyloxy)propane-1,2-diol Inherently biodegradable OESO 302B / ISO9888 / EEG 88/302C

#### Gypsum:

Abiotic degradation, physical and photochemical degradation:

The product hydrolyses in the presence of water quickly to:

Calcium and sulfations

The individual components cannot be eliminated from water easily.

No photochemical elimination.

Biological degradation: The methods to determine biological degradation cannot be used for inorganic substances.

Inorganic product, cannot be eliminated from water with a biological cleaning process.

#### 12.3. Bioaccumulative potential

#### Poster paint

Component 2-phenoxyethanol 3-(2-ethylhexyloxy)propane-1,2-diol

Result BCF: 0,35, No bioaccumulation is to be expected (log Pow 1,16) No bioaccumulation is to be expected (log Pow 2,53)

#### Gypsum

Due to the distribution coefficient n-Octanol/water enrichment in organisms is not expected. No sign of organic accumulation potential. The environmental information was measured on the hydrolysed product. Experience shows that this product is inert and not biodegradable.

| 12.4. Mobility in soil              |                   |
|-------------------------------------|-------------------|
| Poster paint                        |                   |
| Component                           | Result            |
| 2-phenoxyethanol                    | No data available |
| 3-(2-ethylhexyloxy)propane-1,2-diol | No data available |

#### Gypsum

Water-soluble solid material. Natural part of ground. When entering the ground product is mobile and can pollute the ground water.

#### 12.5. Results of PBT and vPvB assessment Poster paint

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

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#### Gypsum

This material does not fulfill the criteria for a classification as PBT or vPvB.

| 13. DISPOSAL CONSIDERATIONS  |     |                                    |  |  |  |
|--|-----|------------------------------------|--|--|--|
| Waste disposal according to current editions of EU guidelines 75/442/EEC and |     |                                    |  |  |  |
| 91/689/EEC on waste and dangerous waste                                      |     |                                    |  |  |  |
| 14. TRANSPORTATION INFORMATION   |     |                                    |  |  |  |
| UN number  | :   | UN classification/packing group:   |  |  |  |
| IMDG (sea transport)   |     |                                    |  |  |  |
| IMDG UN number   | :   | IMDG classification/packing group: |  |  |  |
| IMDG marine pollutant  | :   | Technical name: Creative toy       |  |  |  |
| ADR/RID (land transport)   |     |                                    |  |  |  |
| ADR/RID classification/packing grou  | up: |                                    |  |  |  |
| IATA/ICAO (air transport)  |     |                                    |  |  |  |
| IATA/ICAO UN number  | :   | Technical name: Creative toy       |  |  |  |
|  |     |                                    |  |  |  |

#### 15. REGULATORY INFORMATION

**15.1. Safety, health and environmental regulations/legislation specific for the mixture** This datasheet complies with the requirements of regulation (EC) No. 1907/2006 The product containing this mixture complies with the requirements of regulation (EC) No. 2009/48

#### 15.2. Chemical safety assessment

For this mixture a chemical safety assessment was carried out.

#### **16. OTHER INFORMATION**

Full text of H-Statements referred to under section 3.

- H302 Harmful if swallowed
- H318 Causes serious eye damage
- H335 May cause respiratory irritation.
- H332 Harmful if inhaled

#### Further information

The information contained herein relates only to the specific material identified. **SES Nederland B.V.** believes that such information is accurate and reliable as of the date of this material data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability or completeness of the information. **SES Nederland B.V.** urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application