

SATURN BROWN L2G

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Revision: 3

SECTION 1: Identification of the Substance / Mixture and of the Company / Undertaking**1.1 Product Identifier**

Trade Name: SATURN BROWN L2G
REACH Registration Number: see section 3

1.2 Relevant Identified Uses of the Substance / Mixture and Uses Advised Against

Dye for industrial process

1.3 Details of the Supplier of the Safety Data Sheet

Synthesia, a.s.
Semtín 103
530 02 Pardubice
Czech Republic

Telephone: + 420 466 821 111
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E-mail: synthesia@synthesia.eu

E-mail Address for a Competent Person: sds@synthesia.cz
Ecological and Toxicological Association of Dyes and Organic Pigments Manufacturers (ETAD)
Approved to the ISO 9001:2008, ISO 14001:2004, ČSN OHSAS 18001:2008

1.4 Emergency Telephone Number

Manufacturer:
Telephone: + 420 466 824 402
Fax: + 420 466 824 448

Poison Center:
Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha 2
Telephone: + 420 224 919 293, + 420 224 915 402

SECTION 2: Hazards Identification**2.1 Classification of the Substance / Mixture**

Based on the information available to the manufacturer/importer, this product does not meet criteria for the classification according to Regulation (EC) No 1272/2008.

2.2 Label Elements

The product is not subject to mandatory labelling according to Regulation (EC) No 1272/2008.

2.3 Other Hazards

Dust/air mixture can be explosive.

SECTION 3: Composition / Information on Ingredients**3.1 Substances**

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3.2 Mixtures

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Chemical name		
Index number CAS number EC number Registration number	Content [wt. %]	Classification according to Regulation (EC) 1272/2008
Direct Brown 115		
- 70304-36-8 274-548-6 *	80-90	
Direct Orange 46		
- 50814-31-8 256-783-6 *	0-5	
Benzene, C10-13-alkyl derivs.		
- 67774-74-7 267-051-0 01-2119489372-31-XXXX	1	Asp.Tox.1, H304

*The transition time according to REACH Regulation, Article 23 is still not expired.

The full text of H-phrases, hazard class and category code is given in section 16.

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

Avoid contact with skin and eyes.

Do not breathe dust.

In case of accident by inhalation: remove casualty to fresh air and keep at rest.

If you feel unwell, seek medical advice.

4.1.1 Inhalation

In case of accident by inhalation: Remove casualty to fresh air and keep at rest

4.1.2 Skin Contact

Avoid contact with skin. Wash the contaminated parts with plenty of water.

4.1.3 Eye Contact

Avoid contact with eyes. If eye contaminated, rinse it out with water, ask for medical help.

4.1.4 Ingestion

Do not induce vomiting!

If swallowed, rinse mouth with water (only if the person is conscious).

4.2 Most Important Symptoms and Effects, both Acute and Delayed

No information available.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

not specified

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

5.1.1 Suitable Extinguishing Media

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Water-fog, dry chemicals, foam.

5.1.2 Unsuitable Extinguishing Media

Full water jet, CO₂.

5.2 Special Hazards Arising from the Substance / Mixture

When burning may produce oxides of carbon, nitrogen and sulphur.

5.3 Advice for Firefighters

Self-contained breathing apparatus

SECTION 6: Accidental Release Measures**6.1 Personal Precautions, Protective Equipment and Emergency Procedures****6.1.1 For Non-emergency Personnel**

In case of insufficient ventilation, wear suitable respiratory equipment.

6.1.2 For Emergency Responders

Use always personal protective equipment when removing of spilled material: goggles, gloves, respirator in case of dust scatter.

6.2 Environmental Precautions

Avoid release to the environment.

Avoid creating dusty conditions.

6.3 Methods and Material for Containment and Cleaning Up

Product sweep up and deposit in suitable containers for deposition. Rinse the rest away with water. Incineration, disposal, according local regulations.

6.4 Reference to Other Sections

See section 8 for information on appropriate personal protective equipment. See section 13 for further information on waste management.

SECTION 7: Handling and Storage**7.1 Precautions for Safe Handling**

Avoid contact with skin and eyes.

Do not breathe dust.

When using, do not eat, drink or smoke.

Avoid release to environment

7.2 Conditions for Safe Storage, including any Incompatibilities

Keep away from sources of ignitions. Do not smoke.

Product should be stored in original containers under normal conditions.

Keep away from food, drink and animal feedstuffs.

Avoid creating dusty conditions.

7.3 Specific End Use(s)

Not applicable.

SECTION 8: Exposure Controls / Personal Protection**8.1 Control Parameters****Exposure Limit Values:**

not determined

DNEL:

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Benzene, C10-13-alkyl derivs:

Workers - inhalation, long-term effects - 7 mg/m³

Workers - dermal, long-term effects - 9,6 mg/kg bw/day

General population, inhalation, long-term effects - 1,8 mg/m³

General population, dermal, long-term effects - 4,8 mg/kg bw/day

General population, oral, long-term effects - 0,5 mg/kg bw/day

PNEC:

Benzene, C10-13-alkyl derivs:

Aqua (freshwater) - 0.00075 mg/l

Aqua (marine water) - 0.000075 mg/l

Sediment (freshwater) - 1.65 mg/l

Sediment (marine water) - 0.165 mg/l

Soil - 0.329 mg/kg

STP - 14.2 mg/l

8.2 Exposure Controls**8.2.1 Appropriate Engineering Controls**

Avoid generation of dust.

8.2.2 Individual Protection Measures, Personal Protective Equipment

All personal protective equipment must be kept in usable condition. Damaged or contaminated equipment must be immediately replaced.

Respiratory Protection:

respirator or half mask with dust filter

Hand Protection:

Protective gloves.

Eye / Face Protection:

protective goggles

Skin Protection:

Protective suit

8.2.3 Environmental Exposure Controls

Do not empty into drains.

8.3 Other Information

Do not eat, drink or smoke during the work and observe the personal hygiene principles.

SECTION 9: Physical and Chemical Properties**9.1 Information on Basic Physical and Chemical Properties**

Appearance:

powder

Odour:

odourless

Odour Threshold Value:

not available

pH:

8 - 9 20 °C 10 g/l H₂O

Melting Point / Freezing Point:

not available

Boiling Point (Range):

not available

Flash Point:

not available

Evaporation Rate:

not available

Flammability (Solid, Gas):

Like other organic dust can combine with air form explosive mixtures

Upper Flammability / Explosive Limits:

not available

Lower Flammability / Explosive Limits:

not available

Vapour Pressure:

not available

Vapour Density:

not available

Relative Density:

not available

Solubility:

H₂O 25 °C 10 g/l

Water Solubility:

35 g/l

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Partition Coefficient n-Octanol/Water:	not available
Autoignition Temperature:	not available
Decomposition Temperature:	not available
Viscosity:	not available
Explosive Properties:	not available
Oxidising Properties:	not available

9.2 Other Information

no information available

SECTION 10: Stability and Reactivity**10.1 Reactivity**

Under normal conditions, the product is stable.

10.2 Chemical Stability

This product is stable under normal storage conditions

10.3 Possibility of Hazardous Reactions

See information in sections 2 and 9.

10.4 Conditions to Avoid

Thermal decomposition > 200 °C

10.5 Incompatible Materials

Oxidizing and reduction agents.

10.6 Hazardous Decomposition Products

Burning can produce oxides of carbon, nitrogen and sulphur and compounds of: copper

10.7 Other Information

None.

SECTION 11: Toxicological Information**11.1 Information on Toxicological Effects****Acute Toxicity:**LD₅₀, Oral, Rat (mg/kg): > 5 000LD₅₀, Skin, Rat or Rabbit (mg/kg): > 5 000LC₅₀, Inhalation, Rat (aerosol or particle) (mg/m³): no data available**Skin Corrosion / Irritation:**

acute skin irritation (rabbit): 2 - slightly irritable

Serious Eye Damage / Irritation:

Irritating (rabbit).

Respiratory or Skin Sensitisation:

no data available

Germ Cell Mutagenicity:

no data available

Carcinogenicity:

no data available

Reproductive Toxicity:

no data available

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STOT - Single Exposure:

no data available

STOT - Repeated Exposure:

no data available

Aspiration Hazard:

no data available

11.2 Potential Adverse Health Effects / SymptomsOther data not available.

SECTION 12: Ecological Information**12.1 Toxicity****12.1.1 Acute Aquatic Toxicity**LC₅₀, 96 h, Fish (mg/l): > 500EC₅₀, 48 h, Crustacea (mg/l): no data availableIC₅₀, 72 h, Algae (mg/l): no data available**12.1.2 Chronic Aquatic Toxicity**

no data available

12.1.3 Toxicity for Other Environment

no data available

12.2 Persistence and Degradability

(BOD5:COD).100

DEGREE OF ELIMINATION: <10%

COD: 770,7 mg O/g

BOD5: 0,8 mg O/g

12.3 Bioaccumulative Potential

no data available

12.4 Mobility in Soil

no data available

12.5 Results of PBT and vPvB Assessment

no data available

12.6 Other Adverse Effectsnot known

SECTION 13: Disposal Considerations**13.1 Waste Treatment Methods****13.1.1 Disposal Methods of the Substance / Mixture**

Incineration, disposal, according local regulations.

Residues as well as rinse water must not be discharged into the ground, public sewers, or near water sources and streams.

13.1.2 Disposal Methods of the Contaminated PackagingContaminated empty containers must be disposed of as chemical waste

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SECTION 14: Transport Information

No Dangerous Goods

SECTION 15: Regulatory Information**15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture**

Regulation (EC) No. 1907/2006

Regulation (EC) No. 1272/2008

WGK 2: hazard to waters (Classification from manufacturer)

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: Other Information**Reason for Alteration:**

General update.

List of Abbreviations:

CAS - Chemical Abstracts Service

EC number - EINECS (European Inventory of Existing Commercial Chemical Substance), ELINCS (European List of Notified Chemical Substances) or NLP (No-Longer-Polymers)

LD50 - lethal dose, 50%

LC50 - lethal concentration, 50%

EC50 - effective concentration, 50%

IC50 - inhibitory concentration, 50%

PBT - persistent, bioaccumulative and toxic

vPvB - very persistent and very bioaccumulative

BCF - bioconcentration factor

COD - chemical oxygen demand

BOD - biological oxygen demand

DNEL - derived no-effect level

PNEC - predicted no-effect concentration

NOAEL - no observed adverse effect level

NOAEC - no observed adverse effect concentration

NOEC - no observed effect concentration

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

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

IMDG - International Maritime Dangerous Goods

ICAO - International Civil Aviation Organisation

IATA - International Air Transport Association

Sources of Key Data Used to Compile the Safety Data Sheet:

National legislation, chemical databases and tables.

Relevant Information for Classification and Labelling of the Product:

Applying the conventional method.

Full Text of H-phrases from Section 2 and 3:

Asp.Tox.1, H304 Aspiration hazard, Category 1

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

Training Advice:

In compliance with material safety data sheet.

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The above information corresponds to the current level of our knowledge and experience. The data merely describe the product with respect to safety and cannot be construed as guaranteed parameters. The user is responsible for handling in compliance with the existing laws and regulations.