

SATURN YELLOW L4G 150

Date of Publication: 01/06/2007*Date of Revision:* 06/10/2020*Revision:* 5

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

Trade Name: SATURN YELLOW L4G 150

REACH Registration Number: see section 3

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

Dye for industrial process

1.3 Details of the Supplier of the Safety Data SheetSynthesia, a.s.
Semtín 103
530 02 Pardubice
Czech Republic

Telephone: + 420 466 821 111

Fax: + 420 466 821 020

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)

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, Czech Republic

Telephone: + 420 224 919 293, + 420 224 915 402

SECTION 2: Hazards Identification**2.1 Classification of the Substance or Mixture****According to Regulation (EC) No 1272/2008:**

Skin Sens.1B, H317

2.2 Label Elements**Signal Word:**Warning

SATURN YELLOW L4G 150

Hazard Statements:

May cause an allergic skin reaction. (H317)

Precautionary Statements:

Avoid breathing fume. (P261)

Contaminated work clothing should not be allowed out of the workplace. (P272)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

IF ON SKIN: Wash with plenty of water/soap. (P302+P352)

If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)

Dispose of contents/container in accordance with national regulation. (P501)

2.3 Other Hazards

Dust/air mixture can be explosive.

SECTION 3: Composition / Information on Ingredients

3.1 Substances

-

3.2 Mixtures

Chemical name		
Index number CAS number EC number Registration number	Content [wt. %]	Classification according to Regulation (EC) 1272/2008
Direct Yellow 44		
- 8005-52-5 232-339-7 01-2120774092-56-XXXX	≥ 81	Skin Sens.1B, H317
Sodium carbonate		
011-005-00-2 497-19-8 207-838-8 01-2119485498-19-XXXX	≤ 8	Eye Irrit.2, H319
Benzene, C10-13-alkyl derivs.		
- 67774-74-7 267-051-0 01-2119489372-31-XXXX	≤ 1	Asp.Tox.1, H304

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

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

Do not breathe dust.

Avoid contact with skin and eyes.

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

SATURN YELLOW L4G 150

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**

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

SATURN YELLOW L4G 150

7.1 Precautions for Safe Handling

Do not breathe dust.
When using, do not eat, drink or smoke.

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:

Exposure Limits for Workplace [Carbonates and bicarbonates of sodium and potassium] (CAS:)				
Country	Long-term		Short-term	
	mg/m ³	ppm	mg/m ³	ppm
CZ	5		10	

DNEL:

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

SATURN YELLOW L4G 150

Skin Protection:

Protective suit

8.2.3 Environmental Exposure Controls

Avoid release of substance/mixture to the environment.

8.3 Other Information

This product is classified as non-hazardous. However the usual precautions for handling chemicals must be observed to avoid contact with the skin, eyes and respiratory tract.

When using do not eat, drink, or smoke.

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:	9 - 10 20 °C 10 g/l H ₂ O
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:	60 g/m ³
Vapour Pressure:	not available
Vapour Density:	not available
Relative Density:	not available
Solubility:	H ₂ O 25 °C 5 g/l
Water Solubility:	90°C 25 g/l
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.

SATURN YELLOW L4G 150

10.6 Hazardous Decomposition Products

Burning can produce oxides of carbon, nitrogen and sulphur

10.7 Other Information

None.

SECTION 11: Toxicological Information**11.1 Information on Toxicological Effects****Acute Toxicity:**

LD₅₀, Oral, Rat (mg/kg): > 14 000
LD₅₀, Skin, Rat or Rabbit (mg/kg): > 5 000
LC₅₀, Inhalation, Rat (aerosol or particle) (mg/m³): no data available

Skin Corrosion / Irritation:

Not irritating (rabbit).

Serious Eye Damage / Irritation:

Eyes irritation/rabbit: non irritant

Respiratory or Skin Sensitisation:

May cause sensitization by skin contact.

Germ Cell Mutagenicity:

no data available

Carcinogenicity:

no data available

Reproductive Toxicity:

no data available

STOT – Single Exposure:

no data available

STOT – Repeated Exposure:

no data available

Aspiration Hazard:

no data available

Potential Adverse Health Effects / Symptoms

Other data not available.

SECTION 12: Ecological Information**12.1 Toxicity****12.1.1 Acute Aquatic Toxicity**

LC₅₀, 96 h, Fish (mg/l): > 1 000
EC₅₀, 48 h, Crustacea (mg/l): no data available
EC₅₀, 72 h, Algae (mg/l): no data available

SATURN YELLOW L4G 150

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: 530,32 mg O/g

BOD5: 18,6 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.

Product residue and cleaning water must not be released into soil, 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

SECTION 14: Transport InformationNo 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 AssessmentNo chemical safety assessment has been carried out.

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

Section 3 - supplementing information

Section 2, 3 and 11 - change of classification and labelling.

SATURN YELLOW L4G 150

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 - biochemical 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:

Skin Sens.1B, H317 Skin sensitisation, Category 1B
Eye Irrit.2, H319 Serious eye damage/eye irritation, Category 2
Asp.Tox.1, H304 Aspiration hazard, Category 1
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H304 May be fatal if swallowed and enters airways.

Training Advice:

In compliance with safety data sheet.

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.