26120 XSL Translucent Yellow

1. Identification of the Substance/Mixture and of the Company/Undertaking

1. 1. Product Identifier

Product Name:	*XSL Translucent Yellow*
Article No.:	*26120*
UFI:	

1. 2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:	*Coloring agent for dye and varnish industry*
Uses advised against:	

1. 3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company:	*Kremer Pigmente GmbH & Co. KG*
Address:	*Hauptstr. 41-47, 88317 Aichstetten, Germany*
Tel./Fax.:	*Tel +49 7565 914480, Fax +49 7565 1606*
Internet:	*www.kremer-pigmente.com*
EMail:	*info@kremer-pigmente.com*
Importer:	*--*

1. 4. Emergency No.

Emergency No.:	*+49 7565 914480 (Mon-Fri 8:00 - 17:00)*

1. 4. 2 Poison Center:

2. Hazards Identification

2. 1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)	*This product does not require classification and labelling as hazardous according to CLP/GHS.*
Possible Environmental Effects:	

2. 2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)	*No classification required according to the CLP/GHS guidelines.*
Hazard designation:	*Not applicable.*
Signal word:	
Hazard designation:	
Safety designation:	
Hazardous components for labelling:	

2. 3. Other Hazards

Can cause combustible dust concentrations in the air.

Dust may be produced when working with this material, which can cause a mechanical irritation of eyes, nose and respiratory tract.

3. Composition/Information on Ingredients

3. 1. Substance

3. 2. Mixture

Chemical Characterization: *Iron oxide pigment, water dispersable powder. Pigment Yellow 42, C.I. 77492*

Information on Components / Hazardous Ingredients:

2-Butenedioic acid (2Z-)- polymer with 2-methyl-1-propene and octadecene, sodium salt (H319)	25 - 50 %	CAS-Nr: 191175-18-5 EINECS-Nr: EC-Nr:

Additional information:

Particle characteristics:
Pigment Yellow 42 (CAS 51274-00-1):
Form: Acicular (Aspect ratio (x:1) = 1 - 7 [TEM]); Crystallinity: crystalline; Specific treatment: Agent(s), no specific treatment; Specific surface area: 50 - 110 m2/g (BET)
Particle size distribution: d10: 1 - 40 nm; d50: 1 - 100 nm; d90: 5 - 300 nm

4. First Aid Measures

4. 1. Description of the First Aid Measures

General information:

If symptoms occur, or in case of doubt seek medical advice.

In case of unconsciousness give nothing by mouth, place in stable side position and seek medical advice.

After inhalation:

Supply fresh air and seek medical advice in case of complaints.

Give artificial respiration in case breathing is not regular or if it has stopped.

After skin contact:

Remove contaminated clothing. Wash off immediately with plenty of water and soap.

Clean skin thoroughly with soap and water or use an approved skin cleanser.

Do not use solvents or thinners.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

Remove contact lenses, if present and easy to do.

After ingestion:

If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

4. 2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

Exposure to concentrations in the air that exceed legal or recommended limits may cause irritation of the nose, throat, and lungs.

Effects:

4. 3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

Contact Poison Control Center if large amounts are swallowed or inhaled.

5. Fire-Fighting Measures

5. 1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO2), extinguishing powder, water mist.

Unsuitable extinguishing media:

Do not use a solid water stream as it may scatter and spread fire.

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

In case of fire: formation of carbon oxides, nitrogen oxides and fumes.

5. 3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

This material is toxic to aquatic organisms and has long-term effects. Firefighting water contaminated with this substance must be contained and must not be allowed to enter waterways, sewers, or drains.

Not explosive.

6. Accidential Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing.

6. 2. Environmental Precautions

Environmental precautions:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

Absorb with inert material (e.g. sand, earth, vermiculite, diatomaceous earth) and place in a suitable container for disposal.
Preferably clean with detergent. Avoid the use of solvents.

6. 4. Reference to other Sections

Protective clothing, see Section 8.
See Section 13 for information on disposal.

7. Handling and Storage

7. 1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust. Do not inhale dust.

Hygienic measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.
Remove contaminated clothing before entering dining areas.

7. 2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.
Protect against heat and direct sunlight.

Requirements for storage areas and containers:

Close open containers with care and store in an upright position to avoid spilling.
Use containers suitable for preventing contamination of the environment.
Do not reuse container.

Information on fire and explosion protection:

Keep away from sources of heat and ignition - do not smoke.

Storage class:

11; Combustible solids (TRGS 510)

Further Information:

Maximum storage temperature: 50°C (122°F)

7. 3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8. 1. Parameters to be Controlled

Parameters to be controlled (DE):

none known

Parameters to be controlled:

Derived No-Effect Level (DNEL):

No values available.

PNEC (Predicted No-Effect Concentration):

PNEC: no data available

Additional Information:

8. 2. Exposure Controls

Technical protective measures:

Provide adequate ventilation/exhaust system.

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.
Wash contaminated clothes before reuse.

Respiratory protection:

Required in case of insufficient ventilation.

Hand protection:

Chemical protective gloves (EN 374 (Europe), F739 (US)).

Protective glove material:

The glove material must be sufficiently impermeable and resistant against the product.

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective antistatic clothing made of natural fibres or of high temperature-resistant systhetic fibres.
Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental precautions:

Prevent from getting into the soil, surface water and sewage system.

9. Physical and Chemical Properties

9. 1. Information on Basic Physical and Chemical Properties

Form:	*granules*
Color:	*yellow*
Odor:	*odorless*
Odor threshold:	*no information available*
pH-Value:	*7.5 - 9.5 (100 g/l)*
Melting temperature:	*not determined*

Boiling temperature:	*not determined*
Flash point:	*not applicable*
Evaporation rate:	*This product is a non-volatile solid.*
Flammability (solid, gas):	*not highly flammable*
Upper explosion limit:	*no information available*
Lower explosion limit:	*no information available*
Vapor pressure:	*not applicable*
Vapor density:	*This product is a non-volatile solid.*
Density:	*not available*
Solubility in water:	*50 g/l (15°C)*
Coefficient of variation (n-Octanol/Water):	*not applicable*
Auto-ignition temperature:	*480°C (896°F)* *Product is not auto-ignitable (Test type: Spontaneous self-ignition at room temperature)* *304°C; Test type: Spontaneous self-ignition at elevated temperature (Method: VDI 2263, Sheet 1, 1.4.1)* *> 400°C; Test type: Spontaneous self-ignition at elevated temperature (Method: VDI 2263, Sheet 1, 1.3)* *No self ignition was observed up to the specified temperature.*
Decomposition temperature:	*220 - 430°C, < 300 J/g* *(DSC (DIN 51007))*
Viscosity, dynamic:	*not applicable*
Explosive properties:	*Product does not present an explosion hazard.*
Oxidizing properties:	*not oxidizing*
Bulk density:	*300 - 1000 kg/m3*

9. 2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Particle characteristics: This substance/ mixture contains nanoforms (see Section 3).

Other information:

Ignition temperature: 480°C
Burning rate: 200 mm
Self-heating ability: This product is not a self-heating substance according to the UN class 4.2 (UN Test N.4)
Hygroscopy: not hygroscopic

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

May form hazardous decomposition products when exposed to high temperatures.

Thermal decomposition:

10.5. Imcompatible Materials

Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11. 1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

Practically not toxic after a single oral exposure.

LD50, oral: *> 5000 mg/kg*

LD50, dermal: *> 5000 mg/kg*

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

Non irritating (rabbit; OECD 431/439)

Irritant effect on eyes:

Non-irritating to eyes (rabbit; OECD 437/492)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Non sensitizing (guinea pig; OECD 406).

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No cancerogenic effect known.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: no organospecific toxicity expected.
Repeated exposure: no information available.

Aspiration hazard:

No risk of aspiration.

11. 2. Information on other Hazards

Endocrine Disrupting Properties: no information available.

12. Ecological Information

12. 1. Aquatic Toxicity

Not hazardous for aqueous organisms.

Fish toxicity:

LC50: > 100 mg/l (96h, Leuciscus idus)

Daphnia toxicity:

not determined

Bacteria toxicity:

not determined

Algae toxicity:

not determined

12. 2. Persistency and Degradability

Colorants are by their nature very stable and are therefore not readily biodegradable under conditions prevailing in surface water

or in effluent treatment plants.
Can be eliminated from water by chemical adsorption.

12. 3. Bioaccumulation

No bioaccumulation expected.

12. 4. Mobility

Does not evaporate from the surface of the water to the atmosphere.
Adsorption to solid soil phase is not expected.

12. 5. Results of PBT- und vPvP Assessment

According to Annex VIII to Regulation (EC) No. 1907/2006 (REACH): this product is neither a PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative/very toxic) substance nor does it contain a PBT or vPvB substance.

12. 6. Endocrine Disrupting Properties

No data available.

12. 7. Other Adverse Effects

Water hazard class:

1, slightly hazardous
Do not let run into surface waters, waste water or soil.

Behaviour in sewage systems:

Treatment in bological waste treatment plant has to be performed according to local and administrative regulations.

Further ecological effects:

Contains synthetic polymer microparticles. Harmful to the environment- avoid spillage.

AOX Value:

Product contains organically bound halogens which may influence the AOX value of discard water.

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Disposal should be avoided or minimized.
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Dispose of surpluses and products unsuitable for recycling via a recognized waste disposal company. Do not discharge waste untreated into the sewage system unless all applicable regulations of the authorities are complied with.

European Waste Code (EWC):

040216 - Dyestuffs and pigments containing hazardous substances

Uncleaned packaging:

Non contaminated packaging can either be recycled or utilized for energy (incineration).

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Maritime Transport in Bulk according to IMO Instruments

not applicable

14. 8. Further Information

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Seveso III Directive: not applicable under Directive 2012/18/EC.

Employment restrictions:

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable

Regulation (EC) No. 1907/2006 (REACH), Annex XVII, entry number 78 regarding synthetic polymer microparticles (Regulation 2023/2055 (EU)): The synthetic polymer microparticles supplied are subject to the conditions of entry 78.

Concentration of synthetic polymer microparticles in the substance or mixture: 100% Acrylic polymers in primary forms

Technical instructions on air quality:

5.2.1.: 99.6 %

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

Regulation (EC) 2024/590 - Substances that Deplete the Ozone Layer: not regulated / not applicable

Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable

Regulation on Persistent Organic Polutants (POP): not listed

Listed in the following inventories:

TSCA (US, 8b), AIIC (AUS), CA (DSL), CSCL/ISHL (JP), KECI (KR), PICCS (PH), NZIoC (NZ), IECSC (CN), TCSI (TW)

VOC Content: not applicable

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.