Kolortek Co., Ltd
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According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Date of issue : 29.12.2025 – Version : EU_EN/2 – Print date : February 2026

Material Safety Data Sheet

1.IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Indentifier

Trade name : X'mas Green KT-B012-008
Relevant identified uses of the substance
or mixture and uses advised against : colouring agent
Uses advised against : not known
Details of the supplier of the safety
data sheet
Manufacturer: Kolortek Co., Ltd.

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture Product definition : Mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] : not classified

2.2 Label elements
Hazard pictograms : not classified
Signal word : not applicable.
Hazard statements : not applicable.

Precautionary statements
Prevention : not applicable.
Response : not applicable.
Storage : Not applicable.
Disposal : Not applicable.

Special packaging requirements : Not applicable.

2.3 Other hazards
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification : None known.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : cellulose -aluminium-acrylates crosspolymer-chromium oxide green. Contains no hazardous ingredients

Common	CAS No.	EINECS No.	Colour	Chemical	Classification	Specific Conc.

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chemical name			Index	composition		Limits, M-factors and ATEs
Cellulose	9004-34-6	232-674-9		95.4-99.8	Not classified	-
Aluminium	7429-90-5	231-072-3	77000	0.1	Not classified	-
Acrylates Crosspolymer	25133-97-5			0-0.32	Not classified	-
Chromium oxide green	1308-38-9	215-160-9	77288	0-1.3	Not classified	-

There are no additional ingredients present which, within the current knowledge and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

4. FIRST AID MEASURES

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest

Skin contact : wash affected skin with plenty of water

Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention

Ingestion : if ingested, wash out mouth with water, drink milk or egg white

Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed

Actue : none

Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended :a. Chest XRay
b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical

Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated

Advice for firefighters : fire fighters should wear complete protective clothing including selfcontained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emgergency procedures

Personal precautions : do not breathe dust

Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact

In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions

Environmental precautions : do not allow to enter drains, sewers or watercourses

Methods and material for

Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable

Reference to other sections : see sections 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls :provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection :apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Flakes

Colour : X’mas Green

Odour : Mild odor

pH	: not applicable
Boiling point, ° C	: not applicable
Melting point, ° C	: not applicable
Freezing point, ° C	: not applicable
Bulk density	: not applicable
Vapour pressure	: not applicable
Specific Gravity	:>1(water=1)
Solubility (in water)	: Not available
Particle size	: 008

10. STABILITY AND REACTIVITY

Reactivity	: there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability	: stable under normal conditions
Possibility of hazardous reactions	: none
Conditions to avoid	: high temperature
Incompatible materials	: strongly acidic, strongly alkaline, oxidizing agents
Decomposition products	: no information available

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
There are no data available on the mixture itself. Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.
Coating powders can cause localized skin irritation in folds of the skin or under tight clothing.

Acute toxicity :No data available

Acute toxicity estimates

Route	ATE value
Oral Inhalation (vapors)	No data available No data available

Irritation/Corrosion :No data available
Sensitization :No data available

Mutagenicity :No data available
Carcinogenicity :No data available
Reproductive toxicity :No data available
Teratogenicity :No data available

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
No data available			

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
No data available			

Aspiration hazard

Product/ingredient name	Result
No data available	

11.2 Information on other hazards

Endocrine disrupting properties :Not available.
Other information :Not available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

There are no data available on the mixture itself.
Coating powder residues should not be allowed to enter drains or watercourses or be deposited where they could affect ground or surface waters.
Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
No data available

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
No data available				

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
No data available			

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
No data available			

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

This mixture does not contain any substances that are assessed as having endocrine disrupting properties

12.7 Other adverse effects

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods : dispose of contents in accordance with local, state or national legislation

14. TRANSPORT INFORMATION

Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Maritime transport in bulk according to IMO : Not applicable.

instruments

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15.REGULATORY INFORMATION

According to Directive 67/548/EEC &
Directive 1999/45/EC : not classified as dangerous for supply/use
Safety, health and environmental
regulations/legislations specific for the
substance or mixture :not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)
ADR : European Agreement concerning international carriage of Dangerous goods by Road
CAS : Chemical Abstracts Service
EC : European Community
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
IATA : International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001
Book on “Safe Handling of Pigments”, European Edition 1995, BCMA, EPSOM ETAD, VdMi
HSDB
NIOSH ICSC
Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service

We have described our product concerning possible safety requirements by the abovementioned information given to the best of our knowledge and experience. All data given are never meant to guarantee any quality description nor product properties