

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

CADENCE PLASTIC PRIMER

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

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1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Solvent Based Primer

1.3. Details of the supplier of the safety data sheet

Address: TURAN BOYA SAN VE TİC LTD.ŞTİ. Uncular Cad . No 4, 34672 Üsküdar- Istanbul Turkey

Telephone: +90 216 334 32 25

E Mail: info@cadenceboya.com

Website: www.cadenceboya.com

1.4. Emergency telephone number

+90 216 334 32 25

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

CLASSIFICATION:

Flammable liquid (Category 2)

Skin irritation(Category 2)

Reproductive Toxicity (Category 2)

Specific Target Organ Toxicity – Single Exposure (Category 3)

Specific Target Organ Toxicity - Repeat Exposure(Category 2)

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

Hazard Pictograms



Signal Word

Danger

Symbols:

GHS02 (Flame)

GHS07

GHS08

Hazard Statements

H225

Flammable solid..

H315

Causes skin irritation

H336

May cause drowsiness or dizziness

H361d***

Suspected of damaging the unborn child

H373**

May cause damage to organs through prolonged or repeated exposure

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Precautionary Statements

Prevention:

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P242	Use only non-sparking tools.
P260	Do not breathe fumes/gas/vapours.
P264	Wash with water thoroughly after handling.
P280	Wear protective gloves/eye protection/face protection.

Response

P370+P378	In case of fire: Use Water spray, dry chemical or carbon dioxide to extinguish.
P302+P352	IF ON SKIN: Wash with plenty of water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P308+P313	If exposed: Call a POISON CENTER or doctor/physician.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/ doctor if you feel unwell
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

Storage

P403+P233	Store in a well ventilated place. Keep container tightly closed.
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Disposal

P501	Dispose of contents/container to in accordance with /national/international regulation.
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2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not available.

3.2. Chemical characterization: Mixtures

Ingredients:	CAS Nbr	EC No.	Hazard Class and Statement Code	% by Wt
xylylene	1330-20-7	215-535-7	Acute Tox. 4*, H332 Acute Tox. 4*, H312 Skin Irrit. 2, H315 Flam. Liq. 3, H226	30-40
toluene	108-88-3	203-625-9	Flam. Liq. 2, H225 Repr. 2, H361d*** Asp. Tox. 1, H304 STOT RE 2 *, H373** Skin Irrit. 2, H315 STOT SE 3, H336	20-30

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove person to fresh air. Get medical attention.

Skin contact

Wash off with soap and plenty of water.

Eye contact

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing.

If swallowed

Do not induce vomiting. Rinse mouth with water. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Irritant effects, Headache, Drowsiness, Dizziness, Nausea, Vomiting, inebriation, Convulsions, somnolence, Circulatory collapse, CNS disorders, respiratory paralysis, respiratory arrest, Unconsciousness, death

4.3. Indication of any immediate medical attention and special treatment required

No information available.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, Carbon dioxide (CO₂), Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture

Combustible.

Pay attention to flashback.

Vapours are heavier than air and may spread along floors.

Development of hazardous combustion gases or vapours possible in the event of fire.

Forms explosive mixtures with air at ambient temperatures.

5.3. Advice for fire-fighters

Special protective equipment for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapours, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders:

Protective equipment see section 8

6.2. Environmental precautions

Do not let product enter drains. Risk of explosion

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6.3. Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area..

6.4. Reference to other sections

For disposal see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling. Observe label precautions.

Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

7.2. Conditions for safe storage including any incompatibilities

Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

Recommended storage temperature see product label.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Toluene (108-88-3)

Basis	Value	Threshold limits	Remarks
EU ELV	Time Weighted Average (TWA):	50 ppm 192 mg/m ³	
	Short Term Exposure Limit (STEL):	100 ppm 384 mg/m ³	
	Skin designation:		Can be absorbed through the skin.
EH40 WEL	Short Term Exposure Limit (STEL):	100 ppm 384 mg/m ³	
	Skin designation:		Can be absorbed through the skin.
	Time Weighted Average (TWA):	50 ppm 191 mg/m ³	

Derived No Effect Level (DNEL)

Worker DNEL, acute	Systemic effects	inhalation	384 mg/m ³
Worker DNEL, acute	Local effects	inhalation	343 mg/m ³
Worker DNEL, longterm	Systemic effects	inhalation	192 mg/m ³
Worker DNEL, longterm	Local effects	inhalation	192 mg/m ³
Worker DNEL, longterm	Systemic effects	dermal	384 mg/kg Body weight
Consumer DNEL, acute	Systemic effects	inhalation	226 mg/m ³
Consumer DNEL, acute	Local effects	inhalation	226 mg/m ³
Consumer DNEL, longterm	Systemic effects	inhalation	56.5 mg/m ³

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Consumer DNEL, longterm	Systemic effects	oral	8.13 mg/kg Body weight
Consumer DNEL, longterm	Systemic effects	dermal	226 mg/kg Body weight

Recommended monitoring procedures

Methods for measurement of the workplace atmosphere have to correspond to the requirements of norms DIN EN 482 and DIN EN 689.

Predicted No Effect Concentration (PNEC)

PNEC Fresh water	0.68 mg/l
PNEC Fresh water sediment	16.39 mg/kg
PNEC Soil	2.89 mg/kg
PNEC Sewage treatment plant	13.61 mg/l

8.2. Exposure controls

Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7.1

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact

Material: Fluorinated rubber
Minimum layer thickness: 0,7 mm
Break through time: 480 min
Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

Splash contact

Material: Nitrile rubber
Minimum layer thickness: 0,4 mm
Break through time: 35 min
Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested

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and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Appearance

Appearance	Form: clear, liquid
Odor	No data available
Odor Threshold	No data available
pH	Not applicable
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	The substance or mixture is a flammable liquid with the category 2
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Partition coefficient: n- octanol/water	No data available
Auto ignition temperature	Self-heating: may catch fire
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Vapours may form explosive mixture with air.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Risk of explosion with:

fuming sulfuric acid, Nitric acid, silver, perchlorates, nitrogen dioxide, nonmetallic halides, acetic acid, halogen-halogen compounds, uranium hexafluoride, organic nitro compounds.

Violent reactions possible with:

Strong acids, Strong oxidizing agents

Sulfur with heat

10.4 Conditions to avoid

Heat, flames and sparks

10.5 Incompatible materials

Rubber, various plastics

10.6 Hazardous decomposition products

Other decomposition products - No data available

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SECTION 11: Toxicological information

11.1 Information on Toxicological effects

Acute toxicity

Toluene (108-88-3)

Acute oral toxicity

LD50 Rat: 5,580 mg/kg

Tested according to Directive 92/69/EEC

.

Symptoms: Nausea, Vomiting

Acute inhalation toxicity

LC50 Rat: 25.7 mg/l; 4 h ; vapour

OECD Test Guideline 403

Symptoms: Irritation symptoms in the respiratory tract.
absorption

Acute dermal toxicity

LD50 Rabbit: 12,124 mg/kg

(ECHA)

Xylene (1330-20-7)

LD50 Oral - Rat - male - 3.523 mg/kg

(EC Directive 92/69/EEC B.1 Acute Toxicity (Oral))

Remarks: (ECHA)

LC50 Inhalation - Rat - male - 4 h - 29 mg/l

(Regulation (EC) No. 440/2008, Annex, B.2)

Remarks: (Regulation (EC) No 1272/2008, Annex VI)

LD50 Dermal - Rabbit - male - 12.126 mg/kg

Skin corrosion/irritation

Xylene (1330-20-7)

Skin - Rabbit

Result: Moderate skin irritation - 24 h

Remarks: (IUCLID)

Drying-out effect resulting in rough and chapped skin. After long-term exposure to the chemical: Dermatitis

Toluene (108-88-3)

Rabbit

Result: irritating

(ECHA)

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Causes skin irritation.

Serious eye damage/eye irritation

Xylene (1330-20-7)

Eyes - Rabbit

Result: Causes serious eye irritation. - 24 h

Remarks: (RTECS)

Toluene (108-88-3)

Rabbit

Result: No eye irritation

(ECHA)

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Respiratory or skin sensitization

Xylene (1330-20-7)

Local lymph node assay (LLNA) - Mouse

Result: negative

(OECD Test Guideline 429)

Germ cell mutagenicity

Xylene (1330-20-7)

Mutagenicity (mammal cell test): chromosome aberration.

Chinese hamster ovary cells

Result: negative

(National Toxicology Program)

Ames test

Salmonella typhimurium

Result: negative

sister chromatid exchange assay

Chinese hamster ovary cells

Result: negative

OECD Test Guideline 478

Mouse - male and female

Result: negative

Toluene (108-88-3)

Genotoxicity in vivo

Chromosome aberration test

Rat

i.p.

Bone marrow

Result: negative

Carcinogenicity

IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

Xylene (1330-20-7)

Specific target organ toxicity - single exposure

May cause respiratory irritation. - Respiratory system

Acute oral toxicity - Gastrointestinal disturbance

Acute inhalation toxicity - mucosal irritations, Cough, Shortness of breath, Possible

damages:, damage of respiratory tract, Inhalation may lead to the formation of oedemas in the respiratory tract.

Toluene (108-88-3)

May cause drowsiness or dizziness.

Target Organs: Central nervous system

Specific target organ toxicity - repeated exposure

Xylene (1330-20-7)

Inhalation - May cause damage to organs through prolonged or repeated exposure. -

Central nervous system, Liver, Kidney

Toluene (108-88-3)

May cause damage to organs through prolonged or repeated exposure.

Target Organs: Central nervous system

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Aspiration hazard

Xylene (1330-20-7)

May be fatal if swallowed and enters airways.

Aspiration hazard, Aspiration may cause pulmonary oedema and pneumonitis.

Toluene (108-88-3)

Aspiration hazard, Aspiration may cause pulmonary oedema and pneumonitis.

Additional Information

Xylene (1330-20-7)

Repeated dose toxicity - Rat - male and female - Oral - 90 d - No observed adverse effect level - 150 mg/kg - Lowest observed adverse effect level - 150 mg/kg

RTECS: Not available

Blurred vision, Incoordination., Headache, Nausea, Vomiting, Dizziness, Weakness, anemia, Prolonged or repeated exposure to skin causes defatting and dermatitis.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

After absorption:

Systemic effects:

Headache, somnolence, Dizziness, agitation, spasms, narcosis, inebriation

Effect potentiated by: ethanol

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

Toluene (108-88-3)

Systemic effects:

After absorption of large quantities:

Headache, Vomiting, Nausea, Dizziness, CNS disorders, inebriation, Convulsions, Circulatory collapse, respiratory paralysis, respiratory arrest, Unconsciousness, death

Other dangerous properties can not be excluded.

This substance should be handled with particular care.

SECTION 12: Ecological information

12.1. Toxicity

Xylene (1330-20-7)

Toxicity to fish static test LC50 - Oncorhynchus mykiss (rainbow trout) - 2,60 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to algae static test EC50 - Pseudokirchneriella subcapitata - 4,36 mg/l - 73 h (OECD Test Guideline 201)

Toxicity to bacteria Remarks: (ECHA)(Xylene)

Toluene (108-88-3)

Toxicity to fish

LC50 Oncorhynchus mykiss (rainbow trout): 5.8 mg/l; 96 h (ECOTOX Database)

Toxicity to daphnia and other aquatic invertebrates

EC50 Daphnia magna (Water flea): 6 mg/l; 48 h (ECOTOX Database)

NOEC E.sulcatum: 456 mg/l; 72 h (IUCID)

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Toxicity to algae
IC50 Pseudokirchneriella subcapitata (green algae): 12 mg/l; 72 h
(Lit.)

Toxicity to bacteria
EC50 Photobacterium phosphoreum: 20 mg/l; 30 min
(Lit.)

12.2. Persistence and degradability

Xylene (1330-20-7)

Biodegradability aerobic - Exposure time 28 d
Result: 94 % - Readily biodegradable.
(OECD Test Guideline 301F)

Toluene (108-88-3)

Biodegradability 69 - 81 %; 5 d; aerobic
APHA NO. 219 (ECHA)

Readily biodegradable
Theoretical oxygen demand (ThOD) 3,130 mg/g (Lit.)

12.3. Bioaccumulative potential

Xylene (1330-20-7)

Bioaccumulation Oncorhynchus mykiss (rainbow trout) - 56 d
at 10 °C - 1,3 mg/l(Xylene)
Bioconcentration factor (BCF): 7,4 - 18,5

Toluene (108-88-3)

Partition coefficient: n-octanol/water log Pow: 2.65
(experimental)

12.4. Mobility in soil

Toluene (108-88-3)

Distribution among environmental compartments
Adsorption/Soil
log Koc: 2.15
(experimental)
Moderately mobile in soils (Lit.)

12.5. Results of the PBT and vPvB assessment

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

12.6. Other adverse effects

Xylene (1330-20-7)

Toxic to aquatic life

Toluene (108-88-3)

Henry constant
683 Pa*m³/mol
(Lit.) Distribution preferentially in air.
Discharge into the environment must be avoided

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

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Contaminated packaging
Dispose of as unused product.

SECTION 14: Transportation information

14.1. UN number

ADR / RID, IMDG, IATA: 1866

14.2. UN proper shipping name

ADR-Shipping Name: RESIN SOLUTION, flammable (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa)

IMDG-Technical name: RESIN SOLUTION, flammable (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa).

IATA-Technical name: RESIN SOLUTION, flammable (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa)

14.3. Transport hazard class(es)

ADR: Class: 3
IATA: Class: 3
IMDG: Class: 3

14.4. Packing group

ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III

14.5. Environmental hazards

Marine pollutant: No

14.6. Special precautions for user

Tunnel restriction code E

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

IBCs of type 31HZ2 (31HA2, 31HB2, 31HN2, 31HD2 and 31HH2) shall be carried in closed vehicles or containers.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2. Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H312 + H332 Harmful in contact with skin or if inhaled.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

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

CAS:Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

EINECS:European Inventory of Existing Commercial Chemical Substances.

GHS:Globally Harmonized System of Classification and Labeling of Chemicals.

IATA:International Air Transport Association.

IATA-DGR:Dangerous Goods Regulation by the "International Air TransportAssociation" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG:International Maritime Code for Dangerous Goods.

LC50:Lethal concentration, for 50 percent of test population.

LD50:Lethal dose, for 50 percent of test population.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product CADENCE ART&HOBBY PAINTS shall not be held liable for any damage resulting from handling or from contact with the above product.