Cortex 0788FR Class B Primer

Revision No.: 01.00.00
Date published: 26/01/2023

1. Product and Company Identification

1.1. Product Identification
Trade name – Cortex 0788FR Class B Primer

1.2 Relevant identified uses of the substance/mixture
Primer

1.3 Company Identification
OBEX Protection Ltd
Unit 12, Horn Hill Road, Nunnery Park, Worcester WR4 0SX
Tel (including for emergencies): 01905 337800 (Mon – Fri 7am – 5pm) Email: sales@obexuk.com

2. Hazards Identification

2.1 Classification of the substance or mixture
Physical hazards: Flam. Liq. 2 - H225
Health hazards: Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336
STOT RE 2 - H373 Asp. Tox. 1 - H304 Environmental hazards: Aquatic Chronic 2 - H411 Classification (67/548/EEC Xn;R48/20,R65. Repr. Cat. 3;R63. Xi;R38.
F;R11. N;R51/53. R67. Or 1999/45/EC) Physicochemical: The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

2.2 Label elements

Pictogram

Signal word

Danger

Hazard statements

H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H315 Causes skin irritation.
H361d Suspected of damaging the unborn child.
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe vapour/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulations. RCH002a Restricted to professional users.
Contains: TOLUENE, hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane

2.3 Other Hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

3.1 Mixtures

TOLUENE		25-55%
CAS number: 108-88-3	EC number: 203-625-9	REACH registration number: 01-2119471310-51-0051
Classification		Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373		F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67
hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane		25-55%
CAS number: —	EC number: 921-024-6	REACH registration number: 01-2119475514-35
Classification		Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304		Xn;R65. Xi;R38. F;R11. N;R51/53. R67.

HEXANE - norm		<1%
CAS number: 110-54-3	EC number: 203-777-6	REACH registration number: : 01-2119480412-44-0009
Classification		Classification (67/548/ EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361f STOT SE 3 - H336 STOT RE 2 - H373		F;R11 Repr. Cat. 3;R62 Xn;R48/20,R65 Xi;R38 R67 N;R51/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First-aid measures

4.1. Description of first-aid measures

General information: Get medical attention if any discomfort

continues.

Inhalation: Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion: Rinse mouth thoroughly with water. Get medical attention.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact: Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately.

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

General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion: May cause discomfort if swallowed.
May cause stomach pain or vomiting.
Skin contact: Prolonged skin contact may cause redness and irritation.
Eye contact: May cause temporary eye irritation.

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

Notes for the doctor: No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards: The product is flammable. Heating may generate flammable vapours. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3. The product is highly flammable.
Hazardous combustion products: Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting
Control run-off water by containing and keeping it out of sewers and watercourses. Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.
Special protective equipment for firefighters: Wear chemical protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections: Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions: Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions: Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the original container. Storage class: Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s): The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

TOLUENE
Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 191 mg/m3(Sk) Short-term exposure limit (15-minute): WEL 150 ppm(Sk) 574 mg/m3(Sk)

HEXANE-norm
Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m^3
Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit
Ingredient comments: WEL = Workplace Exposure Limits

TOLUENE (CAS: 108-88-3)

DNEL: Workers - Inhalation; Short term systemic effects: mg/m^3 hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane
Ingredient comments: WEL = Workplace Exposure Limits

8.2. Exposure controls Protective equipment

Appropriate engineering occupational controls:
Provide adequate general and local exhaust ventilation. Observe any exposure limits for the product or ingredients.

Eye/face protection: The following protection should be worn: Chemical splash goggles.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

Hygiene measures: Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash contaminated clothing before reuse. Wash hands after handling.
Eating, smoking and water fountains prohibited in immediate work area.
Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some
cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Coloured liquid.
Colour: Various colours.
Odour: aromatic hydrocarbons
Odour threshold: Not available.

pH: Estimated value. pH (concentrated solution): 7-8
Melting point: Not available. Initial boiling point and range >60°C @ 20 Flash point: Estimated value. -35°C
Evaporation rate: Not determined.
Evaporation factor: Not available.
Flammability (solid, gas): Not available.

Upper/lower flammability or explosive limits Estimated value: 0.6% - 11. Other flammability: Not available.
Vapour pressure: Not available.
Vapour density: Not available.
Relative density: 0.8 @ 20°C
Bulk density: Not available.
Solubility(ies): Insoluble in water.
Partition coefficient: Not available.
Auto-ignition temperature: Estimated value. 200°C

Decomposition Temperature: Not available.
Viscosity: Kinematic viscosity > 20.5 mm^2/s.
Explosive properties: Not available.
Explosive under the influence of a flame
Not considered to be explosive
Oxidising properties: Not available.
Comments: Information given is applicable to the product as supplied.

9.2. Other information
Other information: No information required.
Refractive index: Not available.
Particle size: Not available.
Molecular weight: Not available.
Volatility: Not available.
Saturation concentration: Not available.
Critical temperature: Not available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability: No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: Not applicable. Not relevant

10.4. Conditions to avoid

Conditions to avoid: Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Materials to avoid: strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral
ATE oral (mg/kg): 4,444.44
Acute toxicity - dermal
ATE dermal (mg/kg): 4,444.44
Toxicological information on ingredients.

TOLUENE
Acute toxicity - oral
Acute toxicity oral (LD_{50} mg/kg): 2,000.0
Species: Rat
ATE oral (mg/kg): 2,000.0
Acute toxicity - dermal
Acute toxicity dermal (LD_{50} mg/kg): 2,000.0

Species: Rabbit
ATE dermal (mg/kg): 2,000.0
Acute toxicity - inhalation
Acute toxicity inhalation (LC_{50} vapours mg/l): 20.0

Species: Rat
Acute toxicity inhalation (LC_{50} dust/mist mg/l): 20.0

Species: Rat
ATE inhalation (vapours mg/l): 20.0
hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane

Toxicological effects: No information available.

Acute Toxicity – oral
Acute toxicity oral (LD50 mg/kg): 5,840.0

Species: Rat
Notes (oral LD_{50}): Not known. Data lacking.
ATE oral (mg/kg): 5,840.0
Acute toxicity – dermal
Acute toxicity dermal (LD50 mg/kg): 2,920.0

Species: Rat
Notes (dermal LD_{50}): Data lacking.
ATE dermal (mg/kg): 2,920.0
Acute toxicity - inhalation
Acute toxicity inhalation (LC_{50} vapours mg/l): 25.2

Species: Rat
ATE inhalation (vapours mg/l): 25.2

Skin corrosion/irritation:

Animal data: Data lacking.
Serious eye damage/irritation
Serious eye damage/irritation
Data lacking.
Aspiration hazard

Aspiration hazard: Kinematic viscosity > 20.5 mm^2/s.
Inhalation; May cause respiratory system irritation.
Ingestion: May cause stomach pain or vomiting.
Skin contact: Irritating to skin.
Eye contact: May cause severe eye irritation.
Acute and chronic health hazards: Vapour from this product may be hazardous by inhalation.
Route of entry: Inhalation Skin absorption Ingestion. Skin and/or eye contact
Target organs: No specific target organs known.
Medical symptoms: Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.
Medical considerations: No information available.

SECTION 12: Ecological information

Ecological information on ingredients.
hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane
Ecotoxicity Dangerous for the environment.

12.1. Toxicity
Ecological information on ingredients.

TOLUENE
Acute toxicity - fish, 48 hours, 48 hours: > 1-10 mg/l, Freshwater fish
Acute toxicity – aquatic : EC_{50}, 48 hours: 11.5 mg/l, invertebrates Daphnia magna
Acute toxicity – aquatic plants: C_{50}, 72 hours: 100 mg/l, Algae
hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane
Acute toxicity - fish LC_0, hours: >1-<10 mg/l, Fish
Acute toxicity – aquatic invertebrates: EC_{50}, 48 hours: 3 mg/l, Daphnia magna

Acute toxicity – aquatic plantsLC_0, hours: >1-<10 mg/l,

HEXANE-norm

Acute toxicity - fish: LC_{50}, EC_{50}, IC_{50}, : 10 mg/l, Fish
Acute toxicity – aquatic invertebratesLC_{50}, EC_{50}, IC_{50}, : 10 mg/l, Daphnia magna
Acute toxicity – aquatic plants LC_{50}, EC_{50}, IC_{50}, : 10 mg/l, Algae

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Partition coefficient: Not available.
Ecological information on ingredients.

TOLUENE

Bioaccumulative potential: The product does not contain any substances expected to be bioaccumulating. Partition coefficient: Not available.

12.4. Mobility in soil

Mobility: The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.
TOLUENE

Mobility: The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

TOLUENE
Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects: None known.
Ecological information on ingredients.

TOLUENE
Other adverse effects: Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information: Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number
UN No. (ADR/RID): 1133
UN No. (IMDG): 1133
UN No. (ICAO): 1133

14.2. UN proper shipping name
Proper shipping name (ADR/RID)
ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane)
Proper shipping name (IMDG)
ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane)
Proper shipping name (ICAO) ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane) Proper shipping name (ADN) ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane)

14.3. Transport hazard class(es)

ADR/RID class: 3
ADR/RID subsidiary risk ADR/RID label: 3
IMDG class: 3
IMDG subsidiary risk
ICAO class/division: 3
ICAO subsidiary risk Transport labels:

14.4. Packing group

ADR/RID packing group: II
IMDG packing group: II
ICAO packing group: II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS: F-E, S-D
Emergency Action Code: •3YE
Hazard Identification Number: 33 (ADR/RID) Tunnel restriction code: (D/E)

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

SECTION 15: Regulatory information

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

National regulations: Health and Safety at Work etc. Act 1974 (as amended).
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EU legislation: Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by: Compliance
Risk phrases in full:
R11 Highly flammable
R38 Irritating to skin
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full:
H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H361f Suspected of damaging fertility.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Store Between: Store Between 5°C - 25°C

Contains SVHC: NO