We create chemistry

Safety Data Sheet
11-LE555 Metallc Blue

1. Identification

Product identifier used on the label

11-LE555 Metallc Blue

Recommended use of the chemical and restriction on use

Recommended use*: Basecoat product
Recommended use*: Paints, Coatings and Related Materials; for industrial use only
Unsuitable for use: Not intended for sale to or use by the general public.

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Skin Sens.	1	Skin sensitization
Repr.	2 (unborn child)	Reproductive toxicity
STOT SE	3 (Vapours may cause drowsiness and	Specific target organ toxicity — single exposure

	dizziness.)	
Flam. Liq.	3	Flammable liquids

Label elements

Pictogram:

Signal Word:
Danger

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging the unborn child.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P272	Contaminated work clothing should not be allowed out of the workplace.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):
P501 Dispose of contents and container to hazardous or special waste collection point.

Hazards not otherwise classified

No applicable information available.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

1-methoxypropan-2-ol
CAS Number: 107-98-2
Content (W/W): >= 25.0 - < 50.0%
Synonym: 1-Methoxy-2-propanol; Propylene glycol monomethyl ether

2-dimethylaminoethanol
CAS Number: 108-01-0
Content (W/W): >= 1.0 - < 3.0%
Synonym: N,N-Dimethyl(2-hydroxyethyl)amine; 2(Dimethylamino)ethanol, Deanol

1-methoxy-2-propylacetate
CAS Number: 108-65-6
Content (W/W): >= 15.0 - < 20.0%
Synonym: 2-Methoxy-1-methylethyl acetate; 1-Methoxy-2-propyl acetate

Toluene
CAS Number: 108-88-3
Content (W/W): >= 0.2 - < 0.3%
Synonym: Benzene, methyl-

2-butoxyethanol
CAS Number: 111-76-2
Content (W/W): >= 1.0 - < 3.0%
Synonym: Butyl cellosolve

2,4,7,9-Tetramethyldec-5-yne-4,7-diol
CAS Number: 126-86-3
Content (W/W): >= 1.0 - < 3.0%
Synonym: 2,4,7,9-Tetramethyl-5-decyne-4,7-diol

C.I. Pigment Blue 15
CAS Number: 147-14-8
Content (W/W): >= 3.0 - < 5.0%
Synonym: Copper, [29H,31H-phthalocyaninato(2-)-
.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]-, (SP-4-1)-

Silicon dioxide
CAS Number: 7631-86-9
Content (W/W): >= 1.0 - < 3.0%
Synonym: Silicon dioxide

Aluminum
CAS Number: 7429-90-5
Content (W/W): >= 3.0 - < 5.0%

Synonym: No data available.

4. First-Aid Measures

Description of first aid measures

General advice:
First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:
Seek medical attention. Immediately wash affected area with soap and water for 20-30 minutes or until chemical is removed.

If in eyes:
Flush with copious amounts of water for at least 15 minutes. Hold eyelids open to facilitate rinsing. If irritation develops, seek medical attention. Seek medical attention.

If swallowed:
Immediate medical attention required. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Rinse mouth and then drink 200-300 ml of water.

Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Information on: 1-methoxypropan-2-ol
Symptoms: Overexposure may cause:, lacrimation

Information on: 2-dimethylaminoethanol
Symptoms: Overexposure may cause:, dyspnea, restlessness, coughing, headache

Information on: Toluene
Symptoms: Overexposure may cause:, unconsciousness, death, dilation of pupils, coordination disorder, lethargy, confusion, headache, dizziness, lacrimation

Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol
Symptoms: Overexposure may cause:, corneal injury, severe pain, skin irritation, erythema, nausea, vomiting, dizziness, diarrhea, abdominal cramps

Information on: Aluminum
Symptoms: No data available.

Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
carbon dioxide, foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture
Hazards during fire-fighting:
Vapors and/or decomposition products are irritant and/or toxic. If product is heated above decomposition temperature acrid smoke and fumes will be released.

Advice for fire-fighters
Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:
Notify proper authorities. Do not flood burning material with water due to potential spreading of fire. Flash fire may occur. Run-off water from fire may cause pollution. Contain contaminated water/firefighting water. Remove product from areas of fire, or otherwise cool sealed containers with water in order to avoid pressure build up due to heat. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Avoid contact with skin and eyes. Use antistatic tools. Extinguish sources of ignition nearby and downwind. Avoid prolonged inhalation. Wear suitable personal protective clothing and equipment. Ensure adequate ventilation.

Environmental precautions
Do not discharge into drains/surface waters/groundwater.

A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities.

Methods and material for containment and cleaning up
Dike spillage. Spills should be contained, solidified, and placed in suitable containers for disposal. Place into appropriately labeled waste containers.

7. Handling and Storage

Precautions for safe handling

Handle and open container with care. WARNING: Empty containers may still contain hazardous residue. Use static lines when mixing and transferring material. Do not puncture, drop, or slide containers. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.

Proper ventilation and respiratory protection is required when sanding, flame cutting, welding or brazing coated surfaces. Do not apply to hot surfaces.

Protection against fire and explosion:
Risk of explosion if heated under confinement. Use antistatic tools. Exhaust fans should be explosion proof. Avoid all sources of ignition: heat, sparks, open flame. Provide adequate ventilation to remove solvent vapors from lower levels or work areas and to prevent solvent contact with ignition sources. Sealed containers should be protected against heat as this results in pressure build-up.

Conditions for safe storage, including any incompatibilities

Segregate from strong bases. Segregate from oxidizing agents. Segregate from incompatible substances. Segregate from strong acids.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container tightly closed. Protect from direct sunlight.

Storage stability:
Consult local fire marshal for storage requirements.
Protect from temperatures above: 49 °C

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

1-methoxypropan-2-ol		
	ACGIH TLV	TWA value 50 ppm ; STEL value 100 ppm ;
Toluene	OSHA PEL	TWA value 100 ppm 375 mg/m3 ; STEL value 150 ppm 560 mg/m3 ; max. conc. 500 ppm ; CLV 300 ppm ; TWA value 200 ppm ;
	ACGIH TLV	TWA value 20 ppm ;
2-butoxyethanol	OSHA PEL	PEL 50 ppm 240 mg/m3 ; Skin Designation ; The substance can be absorbed through the skin. SKIN_FINAL ; The substance can be absorbed through the skin. TWA value 25 ppm 120 mg/m3 ;
	ACGIH TLV	TWA value 20 ppm ;
C.I. Pigment Blue 15		
	ACGIH TLV	TWA value 0.2 mg/m3 fumes/smoke (copper (Cu)); TWA value 1 mg/m3 Dust and mist (copper (Cu));
Aluminum		
	ACGIH TLV	TWA value 1 mg/m3 Respirable fraction ;

Advice on system design:
General mechanical ventilation should comply with OSHA 1910.94.
Provide local exhaust ventilation to maintain recommended P.E.L.

Personal protective equipment

Respiratory protection:
Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. Wear a NIOSH-certified (or equivalent) organic vapour respirator. Particulate filters should be added during spray operations. Wear respiratory protection if ventilation is inadequate.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:
Use appropriate chemically impervious gloves as determined by an evaluation of glove performance characteristics and the hazards and potential hazards identified, including but not limited to butyl, natural and synthetic rubber, nitrile, or neoprene.

Eye protection:
Wear face shield if splashing hazard exists. Tightly fitting safety goggles (chemical goggles).

Body protection:
Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:
Work place should be equipped with a shower and an eye wash. Remove contaminated clothing. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Contact lenses should not be worn. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:	liquid	
Odour:	No data available.	
Odour threshold:	No applicable information available.	
Colour:	blue	
pH value:	No applicable information available.	
Melting point:	No applicable information available.	
Freezing point:	No applicable information available.	
Boiling range:	119.00 - 146.00 °C 246.20 - 294.80 °F	
Sublimation point:	No applicable information available.	
Flash point:	23 °C 73.00 °F	
Flammability:	No applicable information available.	
Lower explosion limit:	No applicable information available.	
Upper explosion limit:	No applicable information available.	
Autoignition:	No applicable information available.	
Vapour pressure:	No applicable information available.	
Density:	1.0590 g/cm3 (20 °C) 8.8374 lb/USg	(calculated) (calculated)
Relative density:	1.0590 (20 °C)	
Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.	
Thermal decomposition:	No applicable information available.	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	411.600 mm2/s	

Solubility in water:	No applicable information available.
Miscibility with water:	immiscible
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Molar mass:	No applicable information available.
Evaporation rate:	No applicable information available.

10. Stability and Reactivity

Reactivity
No applicable information available.

Chemical stability
The product is chemically stable.

Possibility of hazardous reactions
No applicable information available.

Conditions to avoid
Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge.

Incompatible materials
strong oxidizing agents, strong bases, strong acids

Hazardous decomposition products

Decomposition products:
carbon dioxide, carbon monoxide

Thermal decomposition:
No applicable information available.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry
Solvents are absorbed through the skin.

Acute Toxicity/Effects

Acute toxicity
Assessment of acute toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 1-methoxypropan-2-ol
Assessment of acute toxicity:Of low toxicity after single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

Information on: 2-dimethylaminoethanol
Assessment of acute toxicity:Of moderate toxicity after short-term skin contact. Of moderate toxicity after single ingestion. Of pronounced toxicity after short-term inhalation.

Information on: 2-butoxyethanol
Assessment of acute toxicity:Of moderate toxicity after single ingestion. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard. The European Union (EU) has classified this substance as 'harmful' after inhalation. Virtually nontoxic after a single skin contact. The European Union (EU) has classified this substance as 'harmful' after dermal exposure.

Assessment other acute effects
Assessment of STOT single:
Possible narcotic effects (drowsiness or dizziness).

Irritation / corrosion
Assessment of irritating effects: Skin contact causes irritation. May cause severe damage to the eyes.

Information on: 2-dimethylaminoethanol
Assessment of irritating effects: Corrosive! Damages skin and eyes.

Information on: Toluene
Assessment of irritating effects: Skin contact causes irritation. May cause slight irritation to the eyes.

Information on: 2-butoxyethanol
Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol
Assessment of irritating effects: Not irritating to the skin. May cause severe damage to the eyes.

Sensitization
Assessment of sensitization: Sensitization after skin contact possible.

Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol
Assessment of sensitization:
Caused skin sensitization in animal studies.

Aspiration Hazard
No applicable information available.

Chronic Toxicity/Effects

Repeated dose toxicity
Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 1-methoxypropan-2-ol
Assessment of repeated dose toxicity: May affect the liver as indicated in animal studies. The substance may cause damage to the kidney after repeated inhalation. Effect found in rodents only. The relevance to humans is questionable.

Information on: 2-dimethylaminoethanol
Assessment of repeated dose toxicity: The substance may cause damage to the central nervous system after repeated ingestion of high doses. The results are preliminary and do not provide a complete understanding of the effect observed. After repeated administration the prominent effect is the induction of corrosion.

The substance may cause damage to the central nervous system after repeated ingestion of high doses. The results are preliminary and do not provide a complete understanding of the effect observed.

Information on: 1-methoxy-2-propylacetate
Assessment of repeated dose toxicity: Repeated dermal uptake of the substance did not cause substance-related effects. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The substance may cause damage to the olfactory epithelium after repeated inhalation. Repeated oral uptake of the substance did not cause substance-related effects.

Information on: Toluene
Assessment of repeated dose toxicity: Repeated exposure to large quantities may affect certain organs. Damages the central nerve system. The substance may cause deafness after repeated inhalation.

Information on: 2-butoxyethanol
Assessment of repeated dose toxicity: Damages blood cells. Due to the species specific mode of action, the effects are not expected to occur in humans.

Information on: C.I. Pigment Blue 15
Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects. Short-term inhalation (5 days) of low aerosol concentrations did not cause substance-specific effects in animial studies. Repeated inhalative uptake of particles/dust reaching the alveoli may cause damage to the lungs.

Information on: Aluminum
Assessment of repeated dose toxicity: The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the peripheral nervous system after repeated ingestion of high doses. The substance may cause damage to the central nervous system after repeated ingestion of high doses. The substance may cause damage to the lung after repeated inhalation. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

Genetic toxicity
Assessment of mutagenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: C.I. Pigment Blue 15
Assessment of mutagenicity: Results from a number of mutagenicity studies with microorganisms, mammalian cell culture and mammals are available. Taking into account all of the information, there is no indication that the substance is mutagenic.

Carcinogenicity
Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 2-dimethylaminoethanol
Assessment of carcinogenicity: In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was not observed. Under certain conditions the substance can form nitrosamines. Nitrosamines are carcinogenic in animal studies.

Information on: 2-butoxyethanol

Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. A clear indication of an increased risk of cancer in humans has so far not been shown. IARC Group 3 (not classifiable as to human carcinogenicity).

Reproductive toxicity
Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 1-methoxypropan-2-ol
Assessment of reproduction toxicity: The potential to impair fertility cannot be excluded when given at maternally toxic doses.

Information on: 2-dimethylaminoethanol
Assessment of reproduction toxicity: The results of animal studies suggest a fertility impairing effect. The results were determined in a Screening test. On the basis of currently available information, a final assessment is not possible.

Teratogenicity
Assessment of teratogenicity: Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

Information on: 2-dimethylaminoethanol
Assessment of teratogenicity: Causes developmental effects in animals at high, maternally toxic doses.

Information on: Toluene
Assessment of teratogenicity: Indications of possible developmental toxicity/teratogenicity were seen in animal studies.
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12. Ecological Information

No applicable information available.

13. Disposal considerations

Waste disposal of substance:
Do not incinerate closed containers. The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste. Do not discharge into drains/surface waters/groundwater.
Incinerate or dispose of in a RCRA-licensed facility. Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:
WARNING: Empty containers may still contain hazardous residue.
Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport
USDOT

Hazard class:	3
Packing group:	III
ID number:	UN 1263
Hazard label:	3
Proper shipping name:	PAINT

Sea transport
IMDG

Hazard class:	3
Packing group:	III
ID number:	UN 1263
Hazard label:	3
Marine pollutant:	NO
Proper shipping name:	PAINT

Air transport
IATA/ICAO

Hazard class:	3
Packing group:	III
ID number:	UN 1263
Hazard label:	3
Proper shipping name:	PAINT

15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

EPCRA 313:

CAS Number	Chemical name
7429-90-5	Aluminum
111-76-2	2-butoxyethanol

State regulations

State RTK	CAS Number	Chemical name
NJ	107-98-2	1-methoxypropan-2-ol
	108-01-0	2-dimethylaminoethanol
	108-88-3	Toluene
	111-76-2	2-butoxyethanol
	147-14-8	C.I. Pigment Blue 15
PA	107-98-2	1-methoxypropan-2-ol
	108-01-0	2-dimethylaminoethanol
	111-76-2	2-butoxyethanol
	147-14-8	C.I. Pigment Blue 15
	7631-86-9	Silicon dioxide
	7429-90-5	Aluminum

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

WARNING: This product can expose you to chemicals including TOLUENE, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

NFPA Hazard codes:
Health: 3 Fire: 3 Reactivity: 1 Special:

HMIS III rating
Health: 3¤ Flammability: 3 Physical hazard: 1

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2020/10/28

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.