

EZ-Blox™**00000019815**

Version 1.6

Revision Date 01/10/2020

Print Date 09/16/2021

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : EZ-Blox™

Number : 00000019815

Product Use Description : Additive for Paints and Coatings, Intermediate

Manufacturer or supplier's details : AdvanSix Inc.
300 Kimball Dr Ste 101
Parsippany, NJ 07054

For more information call : 1-844-890-8949
+1-973-526-1800

In case of emergency call : Transportation and/or Poison Control (CHEMTREC):
1-800-424-9300 or +1-703-527-3887
:
: (24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : liquid

Color : colourless

Odor : weak

Classification of the substance or mixture

Classification of the substance or mixture : Flammable liquids, Category 4
Acute toxicity, Category 4, Oral
Eye irritation, Category 2A
Specific target organ toxicity - repeated exposure, Category 2,
Blood, Spleen

GHS Label elements, including precautionary statements

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Symbol(s)

:



Signal word

: Warning

Hazard statements

: Combustible liquid
Harmful if swallowed.
Causes serious eye irritation.
May cause damage to organs (/*_ORGAN_REPEAT*/) through prolonged or repeated exposure.

Precautionary statements

: **Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical advice/ attention if you feel unwell.
Rinse mouth.
If eye irritation persists: Get medical advice/ attention.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:
Store in a well-ventilated place. Keep cool.

Disposal:
Dispose of contents/ container to an approved waste disposal plant.**Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 2-PO

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
2-Pentanone oxime	623-40-5	<=100.00 %

SECTION 4. FIRST AID MEASURES

Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician.

Skin contact : Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Call a physician if irritation develops or persists.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician.

Ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician.

Notes to physician

Treatment : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Dry powder
Carbon dioxide (CO₂)
Foam

Specific hazards during firefighting : Combustible.
Vapours may form explosive mixtures with air.
Vapours are heavier than air and may spread along floors.

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Vapors may travel to areas away from work site before igniting/flashing back to vapor source.
In case of fire hazardous decomposition products may be produced such as:
Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Wear personal protective equipment.
Immediately evacuate personnel to safe areas.
Keep people away from and upwind of spill/leak.
Ensure adequate ventilation.
Remove all sources of ignition.
Do not swallow.
Avoid breathing vapours, mist or gas.
Avoid contact with skin, eyes and clothing.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
Prevent product from entering drains.
Do not flush into surface water or sanitary sewer system.
Discharge into the environment must be avoided.
Do not allow run-off from fire fighting to enter drains or water courses.
- Methods for cleaning up : Ventilate the area.
No sparking tools should be used.
Use explosion-proof equipment.
Prevent spreading over a wide area (e.g. by containment or oil barriers).
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE**Handling**

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- Handling** : Wear personal protective equipment.
Use only in well-ventilated areas.
Keep container tightly closed.
Do not smoke.
Do not swallow.
Avoid breathing vapours, mist or gas.
Avoid contact with skin, eyes and clothing.
- Advice on protection against fire and explosion** : Keep away from fire, sparks and heated surfaces.
Take precautionary measures against static discharges.
Ensure all equipment is electrically grounded before beginning transfer operations.
Use explosion-proof equipment.
Keep product and empty container away from heat and sources of ignition.
No sparking tools should be used.
No smoking.
- Storage**
- Requirements for storage areas and containers** : Store in area designed for storage of flammable liquids. Protect from physical damage.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Keep away from heat and sources of ignition.
Keep away from direct sunlight.
Store away from incompatible substances.
Container hazardous when empty.
Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Protective measures** : Ensure that eyewash stations and safety showers are close to the workstation location.
- Engineering measures** : Use with local exhaust ventilation.
Prevent vapour buildup by providing adequate ventilation during and after use.
- Eye protection** : Wear as appropriate:
Safety glasses with side-shields
Safety goggles

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- If splashes are likely to occur, wear:
Goggles or face shield, giving complete protection to eyes
- Hand protection : Impervious butyl rubber gloves
Neoprene gloves
Nitrile rubber
Gloves must be inspected prior to use.
Replace when worn.
- Skin and body protection : Wear as appropriate:
Rubber gloves
Rubber or plastic apron
Rubber or plastic boots
If splashes are likely to occur, wear:
Protective suit
- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
For rescue and maintenance work in storage tanks use self-contained breathing apparatus.
Use NIOSH approved respiratory protection.
- Hygiene measures : When using, do not eat, drink or smoke.
Wash hands before breaks and immediately after handling the product.
Keep working clothes separately.
Remove and wash contaminated clothing before re-use.
Do not swallow.
Avoid breathing vapours, mist or gas.
Avoid contact with skin, eyes and clothing.

Exposure Guidelines

Contains no substances with occupational exposure limit values.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : liquid
- Color : colourless
- Odor : weak
- pH : Note: no data available
- Melting point/range : -45 °C
Method: 92/69/EEC, A.1

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Boiling point/boiling range	: 172 °C Method: 92/69/EEC, A.2
Flash point	: 156 °F (69 °C) Method: 92/69/EEC, A.9
Evaporation rate	: Note: no data available
Lower explosion limit	: Method: EU method A.14 Note: None
Upper explosion limit	: Method: EU method A.14 Note: None
Vapor pressure	: ca. 2.14 hPa at 20 °C(68 °F)Method: 92/69/EEC, A.4
Density	: 0.903 g/cm ³ at 20 °C Method: 92/69/EEC, A.3
Water solubility	: 34.7 g/l at 20 °C Method: 92/69/EEC, A.6
Solubility in other solvents	: 34.7 g/l at 20 °C Note: Tested according to Directive 92/69/EEC.
Partition coefficient: n-octanol/water	: log Pow: 1.43 at 22 °C Method: 92/69/EEC, A.8
Ignition temperature	: 325 °C at 1,003.0 - 1,012.5 hPa Method: DIN 51794
Viscosity, dynamic	: Note: no data available

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Viscosity, kinematic	: Note: no data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing. Method: EU Method A.21
Molecular weight	: 101.15 g/mol
Surface tension	: 69.5 mN/m

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Protect from heat/overheating.
Incompatible materials to avoid	: Strong acids Oxidizing agents Bases
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), dense black smoke.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50: 1,133 mg/kg Species: Rat, female Method: OECD Test Guideline 425
Acute inhalation toxicity	: LC50: Exposure time: 4 h Species: Rat Method: OECD Test Guideline 403

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Acute dermal toxicity	: Note: no data available
Skin irritation	: Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 439
Eye irritation	: Species: Rabbit Result: Irritating to eyes. Method: OECD Test Guideline 405
Sensitisation	: Buehler Test Species: Guinea pig Result: Does not cause skin sensitisation. Method: OECD Test Guideline 406 : Mouse local lymph node assay Species: Mouse Result: Does not cause skin sensitisation. Method: OECD 429
Repeated dose toxicity	: Species: Rat Application Route: Oral Exposure time: 28 d NOAEL (No observed adverse effect level): 15 mg/kg Target Organs: Blood, Spleen Method: OECD Test Guideline 422 Note: The observed effects do not result in classification as a specific target organ toxicant (STOT). : Species: Rat Application Route: Oral Exposure time: 28 d NOAEL (No observed adverse effect level): 150 mg/kg Method: OECD Test Guideline 422 Note: Developmental Toxicity Reproductive toxicity : Species: Rat Application Route: Inhalation NOAEL (No observed adverse effect level): 299 ppm Method: OECD Test Guideline 412 Note: Subacute toxicity
Genotoxicity in vitro	: Test Method: Ames test Metabolic activation: with and without metabolic activation Result: negative

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	Method: OECD Test Guideline 471
	: Test Method: In vitro gene mutation study in mammalian cells Metabolic activation: with and without metabolic activation Result: negative Method: OECD Test Guideline 487
	: Test Method: Chromosome aberration test in vitro Metabolic activation: with metabolic activation Result: positive Method: OECD Test Guideline 473
	: Test Method: Chromosome aberration test in vitro Metabolic activation: without metabolic activation Result: negative Method: OECD Test Guideline 473
Genotoxicity in vivo	: Test Method: Chromosome aberration test Species: Rat Method: OECD Test Guideline 475 Result: negative
Genotoxicity in vivo	: Test Method: DNA binding study Species: Rat Result: negative
Reproductive toxicity	: Species: Rat Application Route: Oral NOAEL: 150 mg/kg bw/d Method: OECD Test Guideline 422
Teratogenicity	: Species: Rat Application Route: Oral NOAEL: 150 mg/kg bw/d Method: OECD Test Guideline 422

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish	: LC50: > 100 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout)
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Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : Immobilization
EC50: > 100 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202

Toxicity to algae : Growth rate
EC50: 88 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)
Method: OECD Test Guideline 201

: Biomass
EC50: 54 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)
Method: OECD Test Guideline 201

: NOEC: 32 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)
Method: OECD Test Guideline 201

Toxicity to bacteria : EC0: > 20 mg/l
Exposure time: 28 h
Species: activated sludge
Method: OECD 301 B

Elimination information (persistence and degradability)

Surface tension : 69.5 mN/m

Biodegradability : Result: Not readily biodegradable.
Value: 9 %
Method: OECD 301 B

Further information on ecology**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : Observe all Federal, State, and Local Environmental

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regulations.

SECTION 14. TRANSPORT INFORMATION

DOT	UN/ID No.	: NA 1993
	Proper shipping name	: Combustible liquid, n.o.s. (2-Pentanone oxime)
	Class	CBL
	Packing group	III
	Hazard Labels	NONE
	Required only for US-DOT Bulk Shipments	
TDG	Not dangerous goods	
IATA	Not dangerous goods	
IMDG	Not dangerous goods	

SECTION 15. REGULATORY INFORMATION**Inventories**

US. Toxic Substances Control Act	: On TSCA Inventory
Australia. Industrial Chemical (Notification and Assessment) Act	: Not in compliance with the inventory
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	: Not in compliance with the inventory
Japan. Kashin-Hou Law List	: On the inventory, or in compliance with the inventory
Korea. Existing Chemicals Inventory (KECI)	: Not in compliance with the inventory
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	: Not in compliance with the inventory
China. Inventory of Existing	: Not in compliance with the inventory

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Chemical Substances

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : Not in compliance with the inventory

National regulatory information

SARA 302 Components : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 2	2
Flammability	: 2	2
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

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Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by AdvanSix Product Stewardship Group