

SAFETY DATA SHEET

Basecoat Waterborne 130BO Brilliant Orange

Section 1. Identification

GHS product identifier : Basecoat Waterborne 130BO Brilliant Orange

SDS code : 037626

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

Identified uses
Industrial use

Uses advised against

Consumer use

Manufacturer: Akzo Nobel Coatings, Inc.

1845 Maxwell Troy, MI, 48084

USA

(800) 618-1010

Akzo Nobel Coatings Ltd.
110 Woodbine Downs Blvd.
Unit #4 Etobicoke, Ontario

Canada M9W 5S6 +1 (800) 618-1010

Importer : Cía. Mexicana de Pinturas International

S.A. de C.V., Carretera Anillo Periférico,

No Ext 205, No Interior A, Colonia HDA S JOSE, Garcia, Garcia, CP 66000, Nuevo

Leon

RFC: ANA9510267C4

Emergency telephone number (with hours of operation)

: CHEMTREC +1 (800) 424-9300 (Inside the US)

CHEMTREC International +1 (703) 527-3887 (Outside the US, collect calls accepted)

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication

Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available

for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Not applicable.

Response : Not applicable.

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Section 2. Hazards identification

Storage

: Not applicable.

Disposal

: Dispose of contents and container in accordance with all local, regional, national or

international regulations.

Hazards not otherwise

classified

: None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	CAS number
diiron trioxide	≤5	1309-37-1
2-(2-ethoxyethoxy)ethanol	≤5	111-90-0
Aluminium powder (stabilized)	≤3	7429-90-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation

Skin contact

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

: Flush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur.

Ingestion

: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact
 Inhalation
 Skin contact
 Ingestion
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

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Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing

media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

media

: None known.

Specific hazards arising from the chemical

: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials: carbon dioxide

carbon monoxide metal oxide/oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

including any incompatibilities

Conditions for safe storage, : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
diiron trioxide	None.
2-(2-ethoxyethoxy)ethanol	OARS WEEL (United States, 7/2018).
	TWA: 25 ppm 8 hours.
Aluminium powder (stabilized)	None.

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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Section 8. Exposure controls/personal protection

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Odour threshold

Odour

Physical state : Liquid.

Colour : Not available.
: Not available.
: Not available.
: Not available.

pH : Not available.
 Melting/freezing point : Not available.
 Boiling point : 100°C (212°F)
 boiling range : Not available.

Flash point : Closed cup: 999°C (1830.2°F) [Product does not sustain combustion.]

Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

Upper/lower flammability or explosive limits

Upper: : Not determined.
Lower: : Not determined.

Vapour pressure : Not available.
Vapour density : Not available.

Relative density : 1.078

Density : 9.00 lbs/gal 1.078 g/cm³

Solubility : Not available.

Solubility in water : Not available.

Partition coefficient: n- : Not available.

octanol/water

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (room temperature): 5.57 cm²/s (557 cSt)

(****To be Translated***) : 77.34% (w/w)

Weight Volatiles

(****To be Translated****) : 83.03 %(v/v)

Volume Volatiles

(****To be Translated****) : 22.66 %(w/w)

Weight Solids

(****To be Translated****) : 16.97 %(v/v)

Volume Solids

(*****To Be Translated****) : 1.8 lbs/gal 220 g/l minus water and exempt solvents

Regulatory VOC

VOC Actual : 0.4 lbs/gal 48 g/l

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Section 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials: No specific data.

Hazardous decomposition

products

: Under normal conditions of storage and use, hazardous decomposition products should

not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-(2-ethoxyethoxy)ethanol	LD50 Dermal	Guinea pig	>32 g/kg	-
, , , , , , , , , , , , , , , , , , , ,	LD50 Dermal	Mouse	6 mL/kg	-
	LD50 Dermal	Rabbit	4200 uL/kg	-
	LD50 Dermal	Rat	6 mL/kg	-
	LD50 Intraperitoneal	Mouse	2300 mg/kg	-
	LD50 Intraperitoneal	Rat	360 µg/kg	-
	LD50 Intravenous	Mouse	4300 uL/kg	-
	LD50 Intravenous	Rabbit	2500 uL/kg	-
	LD50 Intravenous	Rat	4 g/kg	-
	LD50 Oral	Guinea pig	3000 mg/kg	-
	LD50 Oral	Guinea pig	3700 uL/kg	-
	LD50 Oral	Mouse	7250 mg/kg	-
	LD50 Oral	Mouse	6600 uL/kg	-
	LD50 Oral	Rabbit	3620 mg/kg	-
	LD50 Oral	Rat	7500 mg/kg	-
	LD50 Oral	Rat	5500 uL/kg	-
	LD50 Route of exposure	Guinea pig	3 g/kg	-
	unreported			
	LD50 Route of exposure	Mouse	7150 mg/kg	-
	unreported .			
	LD50 Route of exposure	Rat	7500 mg/kg	-
	unreported			
	LD50 Subcutaneous	Mouse	5500 uL/kg	-
	LD50 Subcutaneous	Rat	6 g/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2-(2-ethoxyethoxy)ethanol	Eyes - Mild irritant	Rabbit	-	125 mg	-
	Eyes - Moderate irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	

Sensitisation

Not available.

Mutagenicity

Not available.

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Section 11. Toxicological information

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
diiron trioxide	-	3	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes : Not available.

of exposure

Potential acute health effects

Eye contact
 Inhalation
 No known significant effects or critical hazards.
 Skin contact
 No known significant effects or critical hazards.
 Ingestion
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General: No known significant effects or critical hazards.Carcinogenicity: No known significant effects or critical hazards.Mutagenicity: No known significant effects or critical hazards.Teratogenicity: No known significant effects or critical hazards.

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Section 11. Toxicological information

Developmental effects

: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
2-(2-ethoxyethoxy)ethanol	Acute LC50 4670000 μg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 3340000 μg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 6010000 µg/l Fresh water	Fish - Ictalurus punctatus	96 hours
	Acute LC50 9650000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 13900000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 13400000 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute LC50 12900000 µg/l Fresh water	Fish - Gambusia affinis	96 hours
Aluminium powder (stabilized)	Acute LC50 38000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
, , ,	Acute LC50 260 μg/l Fresh water	Fish - Ctenopharyngodon idella - Fry	96 hours
	Acute LC50 1130 μg/l Fresh water	Fish - Cobitidae - Fry	96 hours
	Acute LC50 310 μg/l Fresh water	Fish - Oncorhynchus mykiss - Embryo	96 hours
	Acute LC50 160 μg/l Fresh water	Fish - Oncorhynchus mykiss - Embryo	96 hours
	Acute LC50 120 μg/l Fresh water	Fish - Oncorhynchus mykiss - Embryo	96 hours
	Chronic NOEC 9 mg/l Fresh water	Aquatic plants - Ceratophyllum demersum	3 days
	Chronic NOEC 9 mg/l Fresh water	Aquatic plants - Ceratophyllum demersum	3 days

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-(2-ethoxyethoxy)ethanol	-0.54	-	low

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects : No known significant effects or critical hazards.

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Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

The information provided in section 14 is based on a bulk package shipment via ground transport in North America. All shippers are responsible for ensuring the proper transportation classification and package/container requirements are followed for the relevant mode of transport.

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.

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.

Transport in bulk according : Not available.

to IMO instruments

Section 15. Regulatory information

U.S. Federal regulations

: TSCA 5(a)2 final significant new use rules: No products found.

TSCA 5(e) substance consent order: No products found.

TSCA 8(a) PAIR: (2-methoxymethylethoxy)propanol

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted. Clean Water Act (CWA) 311: methyl methacrylate; Formaldehyde, solution

Clean Air Act Section 112

(b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 **Class I Substances**

: Not listed

Clean Air Act Section 602

: Not listed

Class II Substances

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Section 15. Regulatory information

DEA List I Chemicals

(Precursor Chemicals)

DEA List II Chemicals

: Not listed

(Essential Chemicals)

: 4303279658.5 lbs / 1953688965 kg [478766255 gal / 1812327425.8 L]

SARA 311/312

SARA 304 RQ

Classification : Not applicable. **Composition/information on ingredients**

Name	%	Classification
aluminium powder (stabilised)		FLAMMABLE SOLIDS - Category 1 SUBSTANCES AND MIXTURES WHICH IN CONTACT WITH WATER EMIT FLAMMABLE GASES - Category 2

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	()	111-90-0 7429-90-5	≤5 ≤3
Supplier notification	()	111-90-0 7429-90-5	≤5 ≤3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : The following components are listed: ROUGE DUST; IRON OXIDE DUST; ALUMINUM

New York : None of the components are listed.

New Jersey : The following components are listed: GLYCOL ETHERS; IRON OXIDE; FERRIC

OXIDE; ALUMINUM

Pennsylvania : The following components are listed: IRON OXIDE; ALUMINUM

California Prop. 65

MARNING: Cancer - www.P65Warnings.ca.gov.

Ingredient name	U	Maximum acceptable dosage level
Formaldehyde, solution	Yes.	-

Inventory list

Australia : All components are listed or exempted. Canada : All components are listed or exempted. China : At least one component is not listed. **Europe** : At least one component is not listed.

: Japan inventory (CSCL): All components are listed or exempted. Japan

Japan inventory (ISHL): At least one component is not listed.

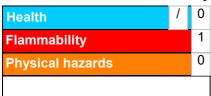
: At least one component is not listed. Malaysia **New Zealand** : All components are listed or exempted. **Philippines** : At least one component is not listed. Republic of Korea : All components are listed or exempted. **Taiwan** : All components are listed or exempted. **Thailand** : At least one component is not listed. **Turkey** : At least one component is not listed. **Viet Nam** : At least one component is not listed.

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Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Procedure used to derive the classification

Classification	Justification
Not classified.	

History

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Key to abbreviations : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws. Any person using this product must determine for themselves, by preliminary tests or otherwise, the suitability of this product for their purposes. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Safety Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. The application, use and processing of AkzoNobel's products and the products manufactured by Buyer on the basis of AkzoNobel's technical advice are beyond AkzoNobel's control and, therefore, entirely Buyer's own responsibility. AkzoNobel makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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