

YVA853B_E7

Material Safety Data Sheet PERFECTION VARNISH CURE



Bulk Sales Reference No.:
MSDS Revision Date:
MSDS Revision Number:

Sales
Order: {SalesOrd}
YVA853B
08/09/2008
E7-3

1. Identification of the preparation and company

1.1. Product identifier

Product Identity **PERFECTION VARNISH CURE**
Bulk Sales Reference No. **YVA853B**

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

Intended Use **See Technical Data Sheet.**
Application Method **See Technical Data Sheet.**

1.3. Details of the supplier of the safety data sheet

Company Name **Akzo Nobel Coatings
International Paint LLC
2270 Morris Avenue
P. O. Box 386**

Emergency

CHEMTREC (USA) **(800) 424-9300**
International Paint **(713) 527-3887**
Poison Control Center **(800) 854-681**
Customer Service
International Paint **(800) 589-1267**
Fax No. **(800) 631-7481**

2. Hazard identification of the product

2.1. Classification of the substance or mixture

2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.

HMIS Rating Health: Unknown Flammability: Unknown Reactivity: Unknown

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Butoxyl CAS Number: 0004435-53-4	25 - 50	Eye Irrit. 2;H319	[1]
Propylene glycol monomethyl ether acetate CAS Number: 0000108-65-6	1.0 - 10	Flam. Liq. 3;H226	[1]
Xylenes (o-, m-, p- isomers) CAS Number: 0001330-20-7	1.0 - 10	Flam. Liq. 3;H226 Acute Tox. 4;H332	[1][2]

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		Acute Tox. 4;H312 Skin Irrit. 2;H315	
Cyclohexanone CAS Number: 0000108-94-1	1.0 – 10	Flam. Liq. 3;H226 Acute Tox. 4;H332	[1][2]
Benzene, ethyl- CAS Number: 0000100-41-4	1.0 – 10	Flam. Liq. 2;H225 Acute Tox. 4;H332	[1][2]

- [1] Substance classified with a health or environmental hazard.
- [2] Substance with a workplace exposure limit.
- [3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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

Overview	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
Inhalation	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
Eyes	Risk of serious damage to eyes. Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific condition of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Skin	Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.
Chronic effects	Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

5. Fire-fighting measures

- 5.1. Extinguishing media
- 5.2. Special hazards arising from the substance or mixture
- 5.3. Advice for fire-fighters
- ERG Guide No.

6. Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
- 6.2. Environmental precautions
- 6.3. Methods and material for containment and cleaning up

7. Handling and storage

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7.1. Precautions for safe handling
Handling

In Storage

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

8. Exposure controls and personal protection
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8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000100-41-4	Benzene, ethyl-	OSHA	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL
		ACGIH	20 ppm TWA
		NIOSH	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL800 ppm IDLH (10% LEL)
		Supplier	No Established Limit
		OHSA, CAN	20 ppm TWA
		Mexico	100 ppm TWA LMPE-PPT; 435 mg/m3 TWA LMPE-PPT125 ppm STEL [LMPE-CT]; 545 mg/m3 STEL [LMPE-CT]
		Brazil	78 ppm TWA LT; 340 mg/m3 TWA LT
0000108-65-6	Propylene glycol monomethyl ether acetate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	50 ppm TWA; 270 mg/m3 TWA
		Mexico	No Established Limit
		Brazil	No Established Limit
0000108-94-1	Cyclohexanone	OSHA	50 ppm TWA; 200 mg/m3 TWA
		ACGIH	20 ppm TWA50 ppm STEL
		NIOSH	25 ppm TWA; 100 mg/m3 TWA700 ppm IDLH
		Supplier	No Established Limit
		OHSA, CAN	20 ppm TWA50 ppm STEL
		Mexico	50 ppm TWA LMPE-PPT; 200 mg/m3 TWA LMPE-PPT100 ppm STEL [LMPE-CT]; 400 mg/m3 STEL [LMPE-CT]
		Brazil	No Established Limit
0001330-20-7	Xylenes (o-, m-, p- isomers)	OSHA	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3 STEL
		ACGIH	100 ppm TWA150 ppm STEL
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	100 ppm TWA150 ppm STEL
		Mexico	100 ppm TWA LMPE-PPT; 435 mg/m3 TWA LMPE-PPT150 ppm STEL [LMPE-CT]; 655 mg/m3 STEL [LMPE-CT]
		Brazil	78 ppm TWA LT; 340 mg/m3 TWA LT
0004435-53-4	Butoxyl	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

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		OHS, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit

Health Data

CAS No.	Ingredient	Source	Value
0000100-41-4	Benzene, ethyl-	NIOSH	Eye skin
0000108-65-6	Propylene glycol monomethyl ether acetate	NIOSH	No Established Limit
0000108-94-1	Cyclohexanone	NIOSH	Irritation; liver kidney
0001330-20-7	Xylenes (o-, m-, p- isomers)	NIOSH	Central nervous system depressant; respiratory and eye irritation
0004435-53-4	Butoxyl	NIOSH	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000100-41-4	Benzene, ethyl-	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0000108-65-6	Propylene glycol monomethyl ether acetate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000108-94-1	Cyclohexanone	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0001330-20-7	Xylenes (o-, m-, p- isomers)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0004435-53-4	Butoxyl	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

Eyes

Skin

Engineering Controls

Other Work Practices

9. Physical and chemical properties

Appearance

Odour threshold

pH

Melting point / freezing point

Initial boiling point and boiling range

Flash Point

Evaporation rate (Ether = 1)

Flammability (solid, gas)

Upper/lower flammability or explosive limits Lower Explosive Limit:

Upper Explosive Limit:

vapor pressure (Pa)

Vapor Density

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Specific Gravity	0.00
Partition coefficient n-octanol/water (Log Kow)	
Auto-ignition temperature	
Decomposition temperature	
Viscosity (cSt)	
VOC %	Refer to the Technical Data Sheet or label where information is available.
VOHAP content (gm/litre of paint)	0.00 (as supplied)
VOHAP content (gm/litre of Solid Coating)	0.00 (as supplied)

9.2. Other information
No further information

10. Stability and reactivity

- 10.1. Reactivity
- 10.2. Chemical stability
- 10.3. Possibility of hazardous reactions
- 10.4. Conditions to avoid
- 10.5. Incompatible materials
- 10.6. Hazardous decomposition products

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr
Butoxyl – (4435–53–4)	4,210.00, Rat – Category: 5	No data available	No data available
Propylene glycol monomethyl ether acetate – (108–65–6)	8,532.00, Rat – Category: NA	5,000.00, Rabbit – Category: 5	No data available
Xylenes (o-, m-, p- isomers) – (1330–20–7)	4,299.00, Rat – Category: 5	1,548.00, Rabbit – Category: 4	20.00, Rat – Category: 4
Cyclohexanone – (108–94–1)	1,400.00, Mouse – Category: 4	948.00, Rabbit – Category: 3	10.70, Rat – Category: 4
Benzene, ethyl– – (100–41–4)	3,500.00, Rat – Category: 5	15,433.00, Rabbit – Category: NA	17.20, Rat – Category: 4

Item	Category	Hazard
Acute Toxicity (mouth)	Not Classified	Not Applicable
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	Not Classified	Not Applicable
Eye damage/irritation	Not Classified	Not Applicable
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	Not Classified	Not Applicable
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic toxicity (single exposure)	Not Classified	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

12. Ecological information

12.1. Toxicity

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Butoxyl – (4435–53–4)	7.10, Danio rerio	360.00, Daphnia magna	Not Available
Propylene glycol monomethyl ether acetate – (108–65–6)	100.00, Salmo gairdneri	500.00, Daphnia magna	Not Available
Xylenes (o–, m–, p– isomers) – (1330–20–7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Cyclohexanone – (108–94–1)	527.00, Pimephales promelas	820.00, Daphnia magna	32.90 (72 hr), Chlamydomonas reinhardtii
Benzene, ethyl– – (100–41–4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

13. Disposal considerations

13.1. Waste treatment methods

14. Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

DOT (Domestic Surface Transportation)

DOT Proper Shipping Name
DOT Hazard Class

UN / NA Number

DOT Packing Group
CERCLA/DOT RQ gal. / lbs.

IMO / IMDG (Ocean Transportation)

IMDG Proper Shipping Name
IMDG Hazard Class
Sub Class

IMDG Packing Group

System Reference 181
Code

14.4. Packing group

14.5. Environmental hazards

IMDG Marine Pollutant:

14.6. Special precautions for user

Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not Applicable

15. Regulatory information

Regulatory Overview

WHMIS Classification

DOT Marine Pollutants (10%):

(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):

(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>.1%) :

Cyclohexanone (5000 lb final RQ; 2270 kg final RQ)

Benzene, ethyl- (1000 lb final RQ; 454 kg final RQ)

Xylenes (o-, m-, p- isomers) (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (>.1%) :

(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :

Benzene, ethyl-

Xylenes (o-, m-, p- isomers)

Mass RTK Substances (>1%) :

Cyclohexanone

Benzene, ethyl-

Xylenes (o-, m-, p- isomers)

Penn RTK Substances (>1%) :

Cyclohexanone

Benzene, ethyl-

Xylenes (o-, m-, p- isomers)

Penn Special Hazardous Substances (>.01%) :

(No Product Ingredients Listed)

RCRA Status:

(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :

Butoxyl

Cyclohexanone

Benzene, ethyl-

Xylenes (o-, m-, p- isomers)

N.J. Special Hazardous Substances (>.01%) :

Benzene, ethyl-

Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances (>.1%) :

Benzene, ethyl-

Xylenes (o-, m-, p- isomers)

Proposition 65 – Carcinogens (>0%):

Benzene, ethyl-

Proposition 65 – Female Repro Toxins (>0%):

(No Product Ingredients Listed)

Proposition 65 – Male Repro Toxins (>0%):

(No Product Ingredients Listed)

Proposition 65 – Developmental Toxins (>0%):

(No Product Ingredients Listed)

16. Other information

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

The following sections have changed since the previous revision.

End of Document