Material Safety Data Sheet D3001 545 EPOXY PRIMER CONVERTER

Sales

Order: {SalesOrd}

Bulk Sales Reference No.: OD3001
MSDS Revision Date: 10/04/2013
MSDS Revision Number: A1-3



1. Identification of the preparation and company

1.1. Product identifier

Product Identity D3001 545 EPOXY PRIMER CONVERTER

Bulk Sales Reference No. OD3001

1.2. Relevant identified uses of the substance or mixture and uses advised against
 Intended Use
 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) 854–6813

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

Flam. Liq. 2;H225 Highly Flammable liquid and vapor.

Acute Tox. 5;H303 May be harmful if swallowed.

Skin Irrit. 2;H315 Causes skin irritation.

Eye Irrit. 2;H319 Causes serious eye irritation.

Skin Sens. 1;H317 May cause an allergic skin reaction.

Repr. 2;H361D Suspected of damaging the unborn child.

STOT SE 3;H336 May cause drowsiness or dizziness.

STOT RE 2;H373 May cause damage to organs through prolonged or repeated exposure.

Aquatic Chronic 3;H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

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







Danger.

H225 Highly flammable liquid and vapor.

- H303 May be harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat / sparks / open flames / hot surfaces No smoking.
- P260 Do not breathe mist / vapors / spray.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / eye protection / face protection.
- P302+352 IF ON SKIN: Wash with soap and water.
- P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing.
- P308+313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a POISON CENTER or doctor / physician if you feel unwell.
- P314 Get Medical advice / attention if you feel unwell.
- P333 If skin irritation or a rash occurs:.
- P337 If eye irritation persists:.
- P362 Take off contaminated clothing and wash before reuse.
- P363 Wash contaminated clothing before reuse.
- P370 In case of fire:.
- P403+233 Store in a well ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating Health: 3* Flammability: 3 Reactivity: 0

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
Polymer of epoxy resin and bisphenol A CAS Number: 0025036–25–3	25 – 50	Eye Irrit. 2;H319 Skin Irrit. 2;H315, Skin Sens. 1;H317	[1]
BUTYL ACETATE CAS Number: 0000123-86-4		Flam. Liq. 3;H226 STOT SE 3;H336	[1][2]
Propylene glycol monomethyl ether acetate CAS Number: 0000108–65–6	10 – 25	Flam. Liq. 3;H226	[1]
Butanone CAS Number: 0000078–93–3		Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]
Benzene, methyl- CAS Number: 0000108-88-3		Flam. Liq. 2;H225 Repr. 2;H361d Asp. Tox. 1;H304 STOT RE 2;H373 Skin Irrit. 2;H315 STOT SE 3;H336	[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 thouroughly cleaned, or discarded after each use.

Causes skin irritation. May cause delayed skin irritation. May cause allergic skin

reaction. May be harmful if absorbed through the skin.

Ingestion Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or

drowsiness.

Chronic effects Birth defect hazard. Contains an ingredient which can cause birth defects (See

Section 2 and Section 15 for each ingredient).

5. Fire-fighting measures

5.1. Extinguishing media

Skin

CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient. SMALL FIRES: Use dry chemical, CO2, water spray or alcohol–resistant foam. LARGE FIRES: Use water spray, fog, or alcohol–resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

5.2. Special hazards arising from the substance or mixture

FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

ERG Guide No. 127

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non–sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non–combustible material and transfer to containers. Use non–sparking tools to collect absorbed material.

6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up

CALL CHEMTREC at (800)–424–9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).

7. Handling and storage

7.1. Precautions for safe handling

Handling

Vapors may cause flash fire or ignite explosively.

In Storage

Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities

Store between 40-100F (4-38C).

Do not get in eyes, on skin or clothing.

Strong oxidizing agents.

Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

7.3. Specific end use(s)

Close container after each use.

Wash thoroughly after handling.

Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value	
0000078-93-3 Butanone	Butanone	OSHA	200 ppm TWA; 590 mg/m3 TWA300 ppm STEL; 885 mg/m3 STEL	
		ACGIH	200 ppm TWA300 ppm STEL	
		NIOSH	200 ppm TWA; 590 mg/m3 TWA300 ppm STEL; 885 mg/m3 STEL3000 ppm IDLH	
		Supplier	No Established Limit	
		OHSA, CAN	200 ppm TWA300 ppm STEL	
		Mexico	200 ppm TWA LMPE-PPT; 590 mg/m3 TWA LMPE-PPT300 ppm STEL [LMPE-CT]; 885 mg/m3 STEL [LMPE-CT]	
		Brazil	155 ppm TWA LT; 460 mg/m3 TWA LT	
0000108-65-6	Propylene glycol monomethyl	OSHA	No Established Limit	
	ether acetate	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	
0000108-88-3	Benzene, methyl-	OSHA	200 ppm TWA150 ppm STEL; 560 mg/m3 STEL	
		ACGIH	20 ppm TWA	
		NIOSH	100 ppm TWA; 375 mg/m3 TWA150 ppm STEL; 560 mg/m3 STEL500 ppm IDLH	
		Supplier	No Established Limit	

OD3001_A1

		OHSA, CAN	20 ppm TWA
		Mexico	50 ppm TWA LMPE-PPT; 188 mg/m3 TWA LMPE-PPT
		Brazil	78 ppm TWA LT; 290 mg/m3 TWA LT
0000123-86-4	BUTYL ACETATE	OSHA	150 ppm TWA; 710 mg/m3 TWA200 ppm STEL; 950 mg/m3 STEL
		ACGIH	150 ppm TWA200 ppm STEL
		NIOSH	150 ppm TWA; 710 mg/m3 TWA200 ppm STEL; 950 mg/m3 STEL1700 ppm IDLH (10% LEL)
		Supplier	No Established Limit
		OHSA, CAN	150 ppm TWA200 ppm STEL
		Mexico	150 ppm TWA LMPE-PPT; 710 mg/m3 TWA LMPE-PPT200 ppm STEL [LMPE-CT]; 950 mg/m3 STEL [LMPE-CT]
		Brazil	No Established Limit
0025036-25-3	Polymer of epoxy resin and	OSHA	No Established Limit
	bisphenol A	ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit

Health Data

Health Bala				
CAS No.	Ingredient	Source	Value	
0000078-93-3	Butanone	NIOSH	Irritation; liver kidney	
	Propylene glycol monomethyl ether acetate	NIOSH	No Established Limit	
0000108-88-3	Benzene, methyl-	NIOSH	Central nervous system depressant	
0000123-86-4	BUTYL ACETATE		Mucous membrane and eye irritation; high concentrations cause nervous system effects in animals	
0025036-25-3	Polymer of epoxy resin and bisphenol A	NIOSH	No Established Limit	

CAS No.	Ingredient	Source	Value		
0000078-93-3	Butanone	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;		
0000108-65-6	Propylene glycol	OSHA	Select Carcinogen: No		
	monomethyl ether	NTP	Known: No; Suspected: No		
	acetate	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;		
0000108-88-3 Benzene, methyl-		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;		
0000123-86-4 BUTYL 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;		
0025036-25-3	Polymer of epoxy resin and bisphenol A	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 Select equipment to provide protection from the ingredients listed in Section 3 of this

document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1–800–243–4630, in Canada call 1–800–267–4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of

the information contained in this Material Safety Data Sheet.

Eyes Avoid contact with 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 conditions 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 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 conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded

after each use.

Engineering Controls
Depending on the site-specific conditions of use, provide adequate ventilation.

immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of

soap and water.

9. Physical and chemical properties

Appearance Coloured Liquid
Odour threshold Not Measured
pH No Established Limit
Melting point / freezing point Not Measured
Initial boiling point and boiling range 79 (C) 175 (F)
Flash Point -4 (C) 25 (F)
Evaporation rate (Ether = 1) Not Measured
Flammability (solid, gas) Not Applicable

Upper/lower flammability or explosive

limits

Lower Explosive Limit: 1

Upper Explosive Limit: No Established Limit

vapor pressure (Pa)

Vapor Density

Not Measured

Heavier than air

Specific Gravity 0.97

Partition coefficient n-octanol/water (Log

Kow)

Not Measured

Auto-ignition temperature Not Measured

Decomposition temperature Not Measured

Viscosity (cSt) No Established Limit

VOC % Refer to the Technical Data Sheet or label where information is

available.

VOHAP content (gm/litre of paint) 382.54 (as supplied) VOHAP content (gm/litre of Solid Coating) 115.19 (as supplied)

9.2. Other information No further information

10. Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability

This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.

11. Toxicological information

Acute toxicity

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.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr
Polymer of epoxy resin and bisphenol A – (25036–25–3)	No data available	No data available	No data available	No data available
BUTYL ACETATE - (123-86-4)	10,700.00, Rat - Category: NA	17,600.00, Rabbit – Category: NA	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	No data available
Butanone – (78–93–3)	2,737.00, Rat – Category: 5	6,480.00, Rabbit – Category: NA	32.00, Mouse – Category: NA	No data available
Benzene, methyl (108-88-3)	636.00, Rat – Category: 4	8,400.00, Rabbit – Category: NA	No data available	No data available

Item	Category	Hazard
Acute Toxicity (mouth)	5	May be harmful if swallowed.
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Eye damage/irritation	2	Causes serious eye irritation.
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	1	May cause an allergic skin reaction.
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	2	Suspected of damaging the unborn child.
Specific target organ systemic toxicity (single exposure)	3	May cause drowsiness or dizziness.
Specific target organ systemic Toxicity (repeated exposure)	2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not Classified	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Polymer of epoxy resin and bisphenol A – (25036–25–3)	Not Available	Not Available	Not Available
BUTYL ACETATE – (123–86–4)	18.00, Pimephales promelas	32.00, Artemia salina	674.70 (72 hr), Scenedesmus subspicatus
Propylene glycol monomethyl ether acetate – (108–65–6)	100.00, Salmo gairdneri	500.00, Daphnia magna	Not Available
Butanone - (78-93-3)	400.00, Cyprinodon variegatus	520.00, Daphnia magna	500.00 (96 hr), Skeletonema costatum
Benzene, methyl (108-88-3)	5.80, Oncorhynchus mykiss	19.60, Daphnia magna	Not Available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

Do not allow spills to enter drains or watercourses.

Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

14.1. UN number UN 1263

14.2. UN proper shipping name PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

DOT (Domestic Surface Transportation)

DOT Proper Shipping Name

PAINT RELATED MATERIAL

IMDG Proper PAINT RELATED Shipping Name MATERIAL

DOT Hazard Class 3 IMDG Hazard Class 3 Sub Class 2

UN / NA Number UN 1263

DOT Packing Group II IMDG Packing Group II CERCLA/DOT RQ 1056 gal. / 8562 lbs. System Reference 29

Code

14.4. Packing group II

14.5. Environmental hazards

IMDG Marine Pollutant: No

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 The regulatory data in Section 15 is not intended to be all-inclusive, only

selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be

listed on the TSCA Inventory.

WHMIS Classification B2 D2A

DOT Marine Pollutants (10%):

(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):

(No Product Ingredients Listed)

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

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

BUTYL ACETATE (5000 lb final RQ (listed under Butyl acetate); 2270 kg final RQ (listed

under Butyl acetate))

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

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

EPCRA 302 Extremely Hazardous (>.1%):

(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%):

Butanol

Benzene, methyl-

Mass RTK Substances (>1%):

Butanone

BUTYL ACETATE

Benzene, methyl-

Penn RTK Substances (>1%):

Butanone

BUTYL ACETATE

Benzene, methyl-

Penn Special Hazardous Substances (>.01%):

Formaldehyde

RCRA Status:

(No Product Ingredients Listed)

Butanone (13.244)

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

Butanone

BUTYL ACETATE

Benzene, methyl-

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

Benzene, ethyl-

Formaldehyde

Butanone

BUTYL ACETATE

Butanol

Benzene, methyl-

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

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

Butanol

Benzene, methyl-

Proposition 65 - Carcinogens (>0%):

Benzene, ethyl-

Formaldehyde

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

Benzene, methyl-

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

(No Product Ingredients Listed)

Proposition 65 – Developmental Toxins (>0%):

Benzene, methyl-

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

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

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H411 Toxic to aquatic life with long lasting effects.

The following sections have changed since the previous revision.

End of Document