



Safety Data Sheet

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Ablebond 2200D (15.5g),

MSDS-No. : 392928

V001.0

Revision: 24.08.2011

printing date: 03.01.2013

Section 1. Identification of the substance/preparation and of the company/undertaking

Product name: Ablebond 2200D (15.5g),

Identification of manufacturer, importer or distributor

Importer: Henkel Philippines Inc. 2F Unit 202, Alabang Business Tower 1216 Acacia Avenue, Madrigal Business Park, Alabang, Muntinlupa City, 1780 Philippines. Phone : +632 8091366/+632 8074920 Fax : 632 8078424

E-mail address of person responsible for Safety Data Sheet: ap-ua-psra.sea@henkel.com

Section 2. Composition / information on ingredients

Declaration of ingredients:

Hazardous components CAS-No.	EINECS	content	Classification
Silver 7440-22-4	231-131-3	60 - 100 %	
2,6-Diglycidyl phenyl allyl ether oligomerProprietary		1 - 10 %	Mutagen category 3.; Xn - Harmful; R68 Xi - Irritant; R43
Toluene 108-88-3	203-625-9	0,1 - 1 %	F - Highly flammable; R11 Xn - Harmful; R48/20, R65 Xi - Irritant; R38 Toxic for reproduction - category 3.; R63 R67

Section 3. Hazards identification

Hazard classification: Xn - Harmful

Risk phrases: R68 Possible risk of irreversible effects.

Section 4. First aid measures

Inhalation: Move to fresh air.
In case of adverse health effects seek medical advice.

Skin contact: Immediately wash skin thoroughly with soap and water.
Immediate medical treatment necessary.
Remove contaminated clothes.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get immediate medical attention.

Ingestion: Never give anything by mouth to an unconscious person.
Do not induce vomiting.

Section 5. Fire fighting measures

- Suitable extinguishing media:** Foam, dry chemical or carbon dioxide.
- Special protection equipment for firefighters:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
- Hazardous combustion products:** Irritating and toxic gases or fumes may be released during a fire.

Section 6. Accidental release measures

- Personal precautions:** Wear protective equipment.
- Environmental precautions:** Do not empty into drains / surface water / ground water.
- Clean-up methods:** Dispose of contaminated material as waste according to Chapter 13.
Keep in suitable and closed containers for disposal.

Section 7. Handling and storage

- Handling:** Avoid skin and eye contact.
Do not inhale vapors and fumes.
- Storage:** Store in a cool, dry place.
Ensure adequate ventilation.

Section 8. Exposure controls / personal protection

Ingredient	Type	ppm	mg/m ³	Remarks
SILVER, METAL, DUST AND FUME 7440-22-4	Time Weighted Average (TWA):		0,1	ACGIH
TOLUENE (TOLUOL) 108-88-3	Time Weighted Average (TWA):	100	375	PH OEL
TOLUENE 108-88-3	Time Weighted Average (TWA):	20		ACGIH

- Respiratory protection:** Suitable breathing mask when there is inadequate ventilation.
- Hand protection:** Avoid skin and eye contact.
Suitable protective gloves.
- Eye protection:** Goggles which can be tightly sealed.
- Body protection:** Wear protective equipment.
Suitable protective clothing
- Engineering controls:** Ensure good ventilation/extraction.
- General protection and hygiene measures:** Good industrial hygiene practices should be observed.

Section 9. Physical and chemical properties

- Appearance:** silver
solid
- Odor:** Slight
- Melting point:** Not available.
- Vapor density:** Not available.
- Specific gravity:** 3,3
- Auto ignition:** Not available.

pH: Not available.
Flash point: Not available.
Ignition temperature Not available.
Vapor pressure: Not applicable
Solubility: Solvent: Water, Insoluble

Section 10. Stability and reactivity

Conditions to avoid: Avoid excessive heat and ignition sources.
 Stable under recommended storage conditions.

Materials to avoid: Strong oxidizing agents.
 Acids
 Bases

Hazardous decomposition products: In case of fire toxic gases can be released.

Hazardous polymerization: Will not occur

Section 11. Toxicological information

General toxicological information: No experimental toxicological data on the preparation as such is available.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Silver 7440-22-4	LD50	> 2.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Silver 7440-22-4	slightly irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Toluene 108-88-3	irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Silver 7440-22-4	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Toluene 108-88-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		

Section 12. Ecological information

General ecological information: Do not empty into drains / surface water / ground water.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Toluene 108-88-3	LC50	13 mg/l	Fish	96 h	Carassius auratus	OECD Guideline 203 (Fish, Acute Toxicity Test)
	NOEC	3,2 mg/l	Fish	28 d	Cyprinodon variegatus	OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study)
Toluene 108-88-3	EC50	11,5 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Toluene 108-88-3	IC50	12 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Toluene 108-88-3	readily biodegradable		80 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Toluene 108-88-3	2,73					

Section 13. Disposal considerations

Product

Method of disposal: Dispose of in accordance with local and national regulations.

Packaging

Disposal for uncleaned package: Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Section 14. Transport information

General information:

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

Section 15. Regulations - classification and identification

Indication of danger: Xn - Harmful

Risk phrases: R68 Possible risk of irreversible effects.

Safety phrases: S23 Do not breathe gas/fumes/vapour/spray.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Section 16. Other information

Issue date: 03.01.2013

Disclaimer This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.
This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and it's subsequent amendments, and Commission Directive 1999/45/EC.