

Norbond® Adhesion Promoter 2287A

Safety Data Sheet SDS1001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue Date: 08/20/2020 Version: 1.0



Section 1: Identification

1.1 Identification

- Product form** • Mixture
- Trade name** • **Norbond® Adhesion Promoter 2287A**
- Product code** • SDS No. 1001

1.2 Recommended use and restrictions on use

- Recommended use** • Adhesion Promoter
- Restrictions on use** • None known

1.3 Supplier

- Saint-Gobain
One Sealants Park
Granville, NY 12832 - United States
T +1 518-642-2200
www.tapesolutions.saint-gobain.com

1.4 Emergency telephone number

- Emergency number** • ChemTel 1-800-255-3924, +1-813-248-0585 (Saint-Gobain Contract Number MIS5065436)

Australia: 1-300-954-583, Brazil: 0-800-591-6042
China: 400-120-0751 India: 000-800-100-4086
Mexico: 01-800-099-0731

Section 2: Hazard(s) Identification

2.1 Classification of the substance or mixture

GHS US classification

- Flammable liquids Category 2** • Highly flammable liquid and vapor
- Eye irritation Category 2A** • Causes serious eye irritation
- Reproductive toxicity Category 2** • Suspected of damaging fertility or the unborn child
- Skin Irritation Category 3** • Causes mild skin irritation
- Specific target organ toxicity (single exposure) Category 3** • May cause drowsiness or dizziness
- Specific target organ toxicity (repeated exposure) Category 2** • May cause damage to organs (central nervous system) through prolonged or repeated exposure
- Hazardous to the aquatic environment – Acute Hazard Category 3** • Harmful to aquatic life

2.2 GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)



Norbond® Adhesion Promoter 2287A

Safety Data Sheet SDS1001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue Date: 08/20/2020 Version: 1.0



Signal word (GHS US)

- Danger
Contains Ethyl Acetate and Toluene

Hazard statements (GHS US)

- H225 – Highly flammable liquid and vapor.
- H319 – Causes serious eye irritation.
- H316 – Causes mild skin irritation.
- H336 – May cause drowsiness or dizziness.
- H361d – Suspected of damaging fertility or the unborn child.
- H373 – May cause damage to organs (central nervous system) central nervous system through prolonged or repeated exposure.
- H402 – Harmful to aquatic life.

Precautionary statements (GHS US)

- P201 – Obtain special instructions before use.
- P202 – Do not handle until all safety precautions have been read and understood.
- P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 – Keep container tightly closed.
- P240 – Ground/Bond container and receiving equipment.
- P241 – Use explosion-proof electrical, lighting, ventilating equipment.
- P242 – Use only non-sparking tools.
- P243 – Take precautionary measures against static discharge.
- P260 – Do not breathe vapors.
- P264 – Wash hands, forearms and face thoroughly after handling.
- P271 – Use only outdoors or in a well-ventilated area.
- P273 – Avoid release to the environment.
- P280 – Wear eye protection, protective clothing, protective gloves.
- P303+P361+P353 – IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water.
- P332+P313 – IF SKIN IRRITATION OCCURS: Get medical attention.
- P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 – Call a poison center or doctor if you feel unwell.
- P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 – IF EYE IRRITATION PERSISTS: Get medical attention.
- P308+P313 – IF EXPOSED OR CONCERNED: Get medical advice/attention.
- P370+P378 – IN CASE OF FIRE: Use Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂) to extinguish.
- P403+P233 – Store in a well-ventilated place. Keep container tightly closed.
- P405 – Store locked up.
- P501 – Dispose of contents or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3 Other hazards which do not result in classification

No additional information available

2.4 Unknown acute toxicity (GHS US)

Not applicable

Section 3 - Composition/Information on Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product Identifier	%
Ethyl Acetate	(CAS-No.) 141-78-6	60-100
Toluene	(CAS-No.) 108-88-3	1 – 5

Section 4 - First-aid Measures

4.1 Description of first aid measures

- First-aid measures general**
 - IF EXPOSED OR CONCERNED: Get medical advice/attention.
- First-aid measures after inhalation**
 - Move the affected person to the fresh air. Get medical attention if symptoms occur.
- First-aid measures after skin contact**
 - Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.
- First-aid measures after eye contact**
 - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
- First-aid measures after ingestion**
 - Call a poison center or a doctor if you feel unwell. Do NOT induce vomiting.

4.2 Most important symptoms and effects (acute and delayed)

- Symptoms/effects**
 - May cause drowsiness or dizziness.
- Inhalation**
 - May cause minor irritation to the respiratory tract and to other mucous membranes.
- Skin**
 - May cause slight irritation to the skin.
- Eyes**
 - Eye irritation.
- Ingestion**
 - May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- Chronic symptoms**
 - Suspected of damaging the unborn child. Damage to central nervous system.

4.3 Immediate medical attention and special treatment, if necessary

Not required.

Section 5 - Fire-fighting Measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media • Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

Unsuitable extinguishing media • Do not use a water jet since it may cause the fire to spread.

5.2 Special hazards arising from the chemical

Fire hazard • Highly flammable liquid and vapor.

Explosion hazard • Vapors may form explosive mixture with air.

5.3 Special protective equipment and precautions for fire-fighters

Firefighting instructions • Use water spray or fog for cooling exposed containers. Do not allow run-off from firefighting to enter drains or water courses.

Protection during firefighting • Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures • Wear suitable protective clothing. Avoid contact with eyes, skin and clothing. Remove ignition sources.

6.1.1. For non-emergency personnel

Emergency procedures • No open flames, no sparks, and no smoking. Do not breathe vapors. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment • Do not attempt to take action without suitable protective equipment. For further information refer to Section 8: "Exposure controls/personal protection".

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

For containment • Stop leak if safe to do so. Dike and contain spill. Collect spillage.

Methods for cleaning up • Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters

Other information • Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4 Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

Norbond® Adhesion Promoter 2287A

Safety Data Sheet SDS1001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue Date: 08/20/2020 Version: 1.0



Section 7 - Handling and Storage

7.1 Precautions for safe handling

Precautions for safe handling

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Wear personal protective equipment. Do not breathe vapors. Use only outdoors or in a well-ventilated area. Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Ensure adequate ventilation.

Hygiene materials

- Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures

- Ground/bond container and receiving equipment.

Storage conditions

- Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Keep away from sources of ignition - No smoking.

Incompatible materials

- Store away from strong oxidizers, strong bases, strong acids.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Norbond® Adhesion Promoter 2287A	
No additional information available	
Ethyl Acetate (141-78-6)	
USA – ACGIH – Occupational Exposure Limits	
Local Name	Ethyl acetate
ACGIH OEL TWA (ppm)	400 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr
Regulatory reference	ACGIH 2019
USA – OSHA – Occupational Exposure Limits	
Local name	Ethyl acetate
OSHA PEL (TWA)	1400 mg/m ³
OSHA PEL (TWA)	400 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Australia – Occupational Exposure Limits	
Local name	Ethyl acetate
AU TWA	200 ppm
AU STEL	400 ppm
Regulatory reference	HCIS

Norbond® Adhesion Promoter 2287A**Safety Data Sheet SDS1001**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
 Issue Date: 08/20/2020 Version: 1.0



Brazil – Occupational Exposure Limits	
Local name	Ethyl acetate
Brazil TWA	310 ppm
Regulatory reference	Annex 11 NR15
China – Occupational Exposure Limits	
Local name	Ethyl acetate
China TWA	200 mg/m ³
China STEL	300 mg/m ³
Regulatory reference	GBZ 2.1-2007
Mexico – Occupational Exposure Limits	
Local name	Ethyl acetate
TWA	400 ppm
Regulatory reference	NOM-010-STPS-2014
South Africa – Occupational Exposure Limits	
Local name	Ethyl acetate
TWA	400 ppm
Regulatory reference	Regulation 1179
South Korea – Occupational Exposure Limits	
Local Name	Ethyl acetate
TWA	400 ppm
Regulatory reference	Article 39-2 KOSHA
Thailand – Occupational Exposure Limits	
Local Name	Ethyl acetate
TWA	400 ppm
Regulatory reference	Notification of the Department of Labor Protection and Welfare Regarding the concentration limit of dangerous chemicals
Toluene (108-88-3)	
USA – ACGIH – Occupational Exposure Limits	
Local name	Toluene
ACGIH OEL TWA (ppm)	20 ppm
Remark (ACGIH)	TLV® Basis: Visual impair; female repro; pregnancy loss. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2019
USA – OSHA – Occupational Exposure Limits	
Local name	Toluene
OSHA PEL (TWA)	200 ppm
OSHA PEL C (ppm)	300 ppm

Norbond® Adhesion Promoter 2287A**Safety Data Sheet SDS1001**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue Date: 08/20/2020 Version: 1.0



Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift	500 ppm 10 mins.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-2
Australia – Occupational Exposure Limits	
Local name	Toluene
AU TWA	50 ppm
AU STEL	150 ppm
Regulatory reference	HCIS
Brazil – Occupational Exposure Limits	
Local name	Toluene
Brazil TWA	78 ppm
Regulatory reference	Annex 11 NR15
China – Occupational Exposure Limits	
Local name	Toluene
China TWA	50 mg/m ³
China STEL	100 mg/m ³
Regulatory reference	GBZ 2.1-2007
Mexico – Occupational Exposure Limits	
Local name	Toluene
TWA	20 ppm
Regulatory reference	NOM-010-STPS-2014
South Africa – Occupational Exposure Limits	
Local name	Toluene
TWA	50 ppm
STEL	150
Notation	Skin
Regulatory reference	Regulation 1179
South Korea – Occupational Exposure Limits	
Local name	Toluene
TWA	50 ppm
STEL	150 ppm
Regulatory reference	Article 39-2 KOSHA
Thailand – Occupational Exposure Limits	
Local Name	Toluene
TWA	200 ppm
STEL	500 ppm 10 min
Ceiling	300 ppm
Regulatory reference	Notification of the Department of Labor Protection and Welfare Regarding the concentration limit of

Norbond® Adhesion Promoter 2287A

Safety Data Sheet SDS1001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue Date: 08/20/2020 Version: 1.0



	dangerous chemicals
--	---------------------

8.2 Appropriate engineering controls

- Appropriate engineering controls**
- Provide local exhaust or general room ventilation to minimize mist and/or vapor concentrations. Assess the risk of potentially explosive atmospheres and the need for explosion-proof equipment.
- Environmental exposure controls**
- Avoid release to the environment.

8.3 Individual protection measures/Personal protective equipment

- Materials for protective clothing:**
- Impervious clothing.
- Hand protection:**
- Wear suitable gloves. Consult glove manufacturers product information on material suitability and material thickness.
- Eye protection:**
- Chemical goggles.
- Skin and body protection:**
- Wear suitable protective clothing.
- Respiratory protection:**
- In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical state	Liquid	Appearance	Slight cloudy
Color	Cloudy	Odor	Sweet solvents
Odor Threshold	No data available		
Boiling Point	77 °C	Melting Point	Not applicable
Decomposition Temperature	No data available	pH	No data available
Relative Density	0.9	Solubility	Water: 8 %
Viscosity (kinematic, dynamic)	No data available	Explosive Properties	No data available
Oxidizing Properties	No data available	Freezing Point	No data available
Vapor Pressure	10.3 kPa	Relative Vapor Density at 20 °C	3
Relative Evaporation Rate (butyl acetate=1)	No data available		
Flash Point	-2.78 °C (Closed cup)	UEL	11 %
Explosion Limits	2.2 – 11 vol %	Auto-ignition temperature	No data available
Flammability (solid, gas)	Not applicable		
Log Pow	No data available		

9.2 Other Information

- No additional information available

Norbond® Adhesion Promoter 2287A

Safety Data Sheet SDS1001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue Date: 08/20/2020 Version: 1.0



Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reactions known under normal conditions of use.

10.2 Chemical stability

- Stable under normal conditions.

10.3 Possibility of hazardous reactions

- Vapors may form explosive mixture with air.

10.4 Conditions to avoid

- Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5 Incompatible materials

- Oxidizing agents, reducing agents, acids, bases. Alkali metals. Amines. Nitrates. Lithium aluminum hydride.

10.6 Hazardous decomposition products

- Carbon oxides (CO, CO₂). Nitrogen oxides.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Acute toxicity (oral): • Not classified

Acute toxicity (dermal): • Not classified

Acute toxicity (inhalation): • Not classified

Ethyl Acetate (141-78-6)	
LD50 dermal rabbit	> 20000 mg/kg body weight Animal: rabbit, Animal sex: male
ATE US (oral)	4934 mg/kg body weight
Toluene (108-88-3)	
LD50 oral rat	5580 mg/kg body weight
LD50 dermal rabbit	> 12267 mg/kg body weight
LC50 inhalation – rat (mg/l)	28.1 mg/l/4h
ATE US (oral)	5580 mg/kg body weight
ATE US (vapors)	28.1 mg/l/4h
ATE US (dust, mist)	28.1 mg/l/4h

Skin corrosion/irritation: • Not classified

Serious eye damage/irritation: • Causes serious eye irritation.

Respiratory or skin sensitization • Not classified

Germ cell mutagenicity • Not classified

Carcinogenicity • Not classified

Toluene (108-88-3)	
IARC group	3 – Not classifiable

Norbond® Adhesion Promoter 2287A

Safety Data Sheet SDS1001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue Date: 08/20/2020 Version: 1.0



Reproductive toxicity

- Suspected of damaging fertility or the unborn child

STOT-single exposure

- May cause drowsiness or dizziness

Ethyl Acetate (141-78-6)	
STOT-single exposure	May cause drowsiness or dizziness.
Toluene (108-88-3)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-single exposure

- May cause damage to organs (central nervous system) through prolonged or repeated exposure.

Ethyl Acetate (141-78-6)	
LOAEL (oral, rat, 90 days)	3600 mg/kg body weight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)
NOAEL (oral, rat, 90 days)	900 mg/kg body weight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)
Toluene (108-88-3)	
LOAEL (oral, rat, 90 days)	1250 mg/kg body weight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
LOAEC (inhalation, rat, gas, 90 days)	600 ppmV/6h/day
NOAEL (oral, rat, 90 days)	625 mg/kg body weight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, gas, 90 days)	4522
NOAEC (inhalation, rat, vapor, 90 days)	2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
STOT-repeated exposure	May cause damage to organs central nervous system, eyes through prolonged or repeated exposure Inhalation.

Aspiration hazard

- Not classified.

Viscosity, kinematic

- No data available.

Symptoms, effects

- May cause drowsiness or dizziness.

Inhalation

- May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin

- May cause slight irritation to the skin.

Eyes

- Eye irritation.

Ingestion

- May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms

- Suspected of damaging the unborn child. Damage to central nervous system.

Norbond® Adhesion Promoter 2287A

Safety Data Sheet SDS1001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue Date: 08/20/2020 Version: 1.0



Section 12 - Ecological Information

12.1 Toxicity

Ecology - general

- Harmful to aquatic life.

Ethyl Acetate (141-78-6)	
LC50 – Fish 1	230 mg/l Test organisms (species): Pimephales promelas
NOEC (chronic)	2.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Toluene (108-88-3)	
LC50 fish 1	5.5 mg/l
EC50 Daphnia 1	3.78 mg/l
LC50 fish 2	7.63 mg/l Oncorhynchus mykiss (Rainbow trout)
LOEC (chronic)	2.76 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC (chronic)	0.74 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC chronic fish	1.4 mg/l
NOEC chronic crustacea	0.74 mg/l

12.2 Persistence and degradability

- No additional information available.

12.3 Bioaccumulative potential

- No additional information available.

12.4 Mobility in Soil

- No additional information available.

12.5 Other adverse effects

- No additional information available.

Section 13 - Disposal Considerations

13.1 Disposal methods

Regional legislation (waste)

- Dispose of in accordance with applicable federal, state, and local regulations.

Waste treatment methods

- Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/ Packaging disposal recommendations

- Empty containers should be taken for recycling, recovery or waste in accordance with local regulation

Additional information

- Empty containers retain product residue and can be hazardous. Flammable vapors may accumulate in the container.

Norbond® Adhesion Promoter 2287A

Safety Data Sheet SDS1001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue Date: 08/20/2020 Version: 1.0



Section 14 - Transport Information

Department of Transportation (DOT)

In accordance with DOT

- Transport document description** • UN133 Adhesives, 3, II
- UN-No. (DOT)** • UN133
- Proper Shipping Name (DOT)** • Adhesives
- Class (DOT)** • 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
- Packing group (DOT)** • II - Medium Danger
- Hazard labels (DOT)** • 3 - Flammable liquid



- DOT Packaging Non Bulk (49 CFR 173.xxx)** • 173
- DOT Packaging Bulk (49 CFR 173.xxx)** • 242
- DOT Special Provisions (49 CFR 172.102)**
 - 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons).
 - 383 - Packages containing toy plastic or paper caps for toy pistols described as "UN0349, Articles, explosive, n.o.s. (Toy caps), 1.4S" or "NA0337, Toy caps, 1.4S" are not subject to the subpart E (labeling) requirements of this part when offered for transportation by motor vehicle, rail freight, cargo vessel, and cargo aircraft and, notwithstanding the packing method assigned in §173.62 of this subchapter, in conformance with the following conditions:
 - B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.
 - IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
 - T4 - 2.65 178.274(d)(2) Normal 178.275(d)(3)
 - TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
 - TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 °C (32 °F)
- DOT Packaging Exceptions (49 CFR 173.xxx)** • 150
- DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)** • 5 L
- DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)** • 60 L

Norbond® Adhesion Promoter 2287A

Safety Data Sheet SDS1001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue Date: 08/20/2020 Version: 1.0



- DOT Vessel Stowage Location**
- B - (i) The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) “On deck only” on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
- Emergency Response Guide (ERG) Number**
- 128
- Other information**
- No supplementary information available.

Transportation of Dangerous Goods

Transport by Sea

- Transport document description (IMDG)**
- UN 1133 ADHESIVES, 3, II
- UN-No. (IMDG)**
- 1133
- Proper Shipping Name (IMDG)**
- ADHESIVES
- Class (IMDG)**
- 3 – Flammable liquids
- Packing group (IMDG)**
- II – substances presenting medium danger
- Limited quantities (IMDG)**
- 5 L

Air Transport

- Transport document description (IATA)**
- UN 1133 Adhesives, 3, II
- UN-No. (IATA)**
- 1133
- Proper Shipping Name (IATA)**
- Adhesives
- Class (IATA)**
- 3 – Flammable Liquids
- Packing group (IATA)**
- II – Medium Danger

Korea DGR

- Transport document description**
- UN 1133 Adhesives, 3, II
- UN-No.**
- 1133
- Proper Shipping Name**
- Adhesives
- Class**
- 3 – Flammable Liquids
- Packing group**
- II – Medium Danger

Section 15 - Regulatory Information

15.1 US Federal regulations

Ethyl Acetate (141-78-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ	5000 lb
-----------	---------

Toluene (108-88-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313
Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	1000 lb
-----------	---------

Norbond® Adhesion Promoter 2287A

Safety Data Sheet SDS1001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue Date: 08/20/2020 Version: 1.0



15.2 International regulations

International Inventories

Australia AICS	• All the components are listed.
Canada DSL	• One or more ingredient(s) are not listed but listed on the NDSL.
China IECSC	• All the components are listed.
Japan ENCS	• One or more ingredient(s) are not listed.
Korea KECL	• All the components are listed.
New Zealand	• One or more ingredient(s) are not listed.
Philippines PICCS	• One or more ingredient(s) are not listed.
Taiwan CSNN	• One or more ingredient(s) are not listed.
US TSCA	• All the components are listed.

Canada

Ethyl Acetate (141-78-6)
Listed on the Canadian DSL (Domestic Substances List)

Toluene (108-88-3)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

National regulations

No additional information available

15.3 US State regulations

Toluene (108-88-3)					
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
No	Yes	No	No		7000 µg/day

Component	State or local regulations
Ethyl Acetate (141-78-6)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Toluene (108-88-3)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

Norbond® Adhesion Promoter 2287A

Safety Data Sheet SDS1001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue Date: 08/20/2020 Version: 1.0



Section 16 - Other Information

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SDS US (GHS HazCom 2012)

Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.