# SAFETY DATA SHEET

1/5 page 24001

Issued Date 2010/6/28 Revision Date 2021/3/9

1. Identification

* Product name	Super Strong Remover
* Reference number	24001
* Company	Washin Paint Co.,Ltd.
* Company address	2100–18 Kamiyoshiba Satte-shi Saitama-ken 340-0121 Japan
* Section concerned	Production engineering department
* Person in change	Takeyuki Kawashima
* Phone No.	0480-48-2021
* FAX No.	0480-48-2024
* Emergency contact	0480-48-2021
* Product kind	Remover
* Principal use	Wax remover

# 2. Hazards identification

# [ Classification ]

	Category	Signal word			
Hazards	Hazard statement				
	Not classified				
Flammable liquids					
	Not classified				
Acute toxicity Oral					
	Not classified				
Acute toxicity Dermal					
Acute toxicity Gasas	Not applicable				
Acute toxicity Gasas					
Acute toxicity Vapours	Not classified				
Acute toxicity vapours					
Acute toxicity Mists	Not classified				
Acute toxicity Mists					
Skin corrosion/irritation	Category 2	Warning			
	Causes skin irritation.				
Serious eye damage/eye irritation	Category 2	Warning			
Serious eye damage/ eye initation	Causes serious eye irritation.				
Respiratory sensitization	Not classified				
Respiratory sensitization					
Skin sensitization	Category 1	Warning			
Skill sensitization	May cause an allergic skin reaction.				
Germ cell mutagenicity	Not classified				
Carcinogenicity	Not classified				
Carcinogenicity					
Reproductive toxicity	Category 2	Warning			
	Suspected of damaging fertility or t	he unborn child.			
Specific target organ systemic toxicity	Category 2	Warning			
Single exposure	May causes damage to organs or st	ate all organs affected if known.			
Specific target organ systemic toxicity	Category 2	Warning			
Repeated exposure	May causes damage to organs state all organs af	fected, if known through prolonged or repeated exposure.			
Aspiration hazard	Not classified				
Aspiration nazaru					
Hazardous to aquatic environment	Category 3				
Acute	Harmful to aquatic life.				
Hazardous to aquatic environment	Not classified				
Chronic					
Hezerdaue to the ezero lover	Classification not possible				
Hazardous to the ozone layer					

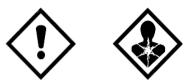
 $\ast$  If the signal word "Danger" applies, the signal word "Worning" should not appear.

\* For the details with "Specific target organ systemic toxicity", refer to "11.Toxicological information".

2/5 page 24001

#### [Symbol]

Exclamation mark Health hazard



#### [ Precautionary statement ]

(Prevention)

- \* Obtain and understand special instructions before use.
- \* Don't eat, drink or smoke when using this product.
- \* Wear protective gloves and eye/face protection when it needs.
- \* Wash hands thoroughly and gargle after handling.

(Response)

- \* In case of fire, use carbon dioxide/powder/foams for extinction.
- \* If in eyes: Rince cautiously with water, get medical advice/attention.
- \* If on skin or cloth: Wash with plenty of soap and water. Take off contaminated clothing and exchange it.
- \* If skin irritation occurs, seek medical advice/attention.
- $\boldsymbol{*}$  If exposed or concerned: Get medical attention/advice.

(Strage)

\* Store container in the place which well-ventilated and cool.

(Disposal)

- \* Don't dispose contents/container to the river and the sewage.
- \* Dispose contents/container in accordance with local/regional/national regulation.

#### 3. Composition/information on ingradients

Property	Mixture				
Product kind	Remover				
Chemical name		Weight (%)	CAS No.	Chemical structure	Notice duty
2-aminoethanol		1.5	141-43-5	C2H7NO	0
2-butoxyethanol		1~5	111-76-2	C6H14O2	0
benzyl alcohol		5~10	100-51-6	C7H8O	0
—		-	-	—	—
—		-	—	—	—

4. First-aid measures

(When swallowing)

\* Without making vomit by force, be rested and have a medical attention.

\* The vomit doesn't make swallow. Get medical attention.

(When inhaling)

\* Remove to fresh air and keep at rest in a position comfortable for breathing.

Seek medical advice/attention if you feel unwell.

(When adhering to the skin)

- \* Wipes up quickly with cloth and washes it off sufficiently using plenty of water and soap.
  - Don't use organic solvent, thinner and so on.
- \* If you get damage or feel pain, seek medical advice/attention.

(When entering eyes)

- \* Wash for more than 15 minutes with a plenty of water at once.
- \* Get a medical attention as fast as possible.
- 5. Fire-fighting measures
  - (Suitable extinguishing media)
    - \* Water (  ${\sf O}$  ), Carbon dioxide (  ${\sf O}$  ), Foams (  ${\sf O}$  ), Powder (  ${\sf O}$  ), Dry sand (  ${\sf O}$  ), Other ( ~ ),
  - ( Specific hazards arising from the chemical )
    - \* This substance is not inflammable but the dry material is inflammable.
    - \* When burning, there is possibility to make carbon monoxide occur.

- (Specific extinguishing method)
  - \* Tell Fire Service the place and the dangerous/hazardous property.
  - \* Prevent outflow being in water pipe or watercourse.
  - \* Wear respiratory-protective-equipment and protective-glove.
  - \* Remove combustibles quickly from the surrounding area.
  - \* Uses the suitable extinguishing media.
  - \* Do fire fighting from the windward.
- (Special protective equipment and precautions for fire-fighters)
  - \* Wear respiratory-protective-equipment, chemical-defense clothes/glove/boots,/glasses/mask as occasion demands.
- 6. Accidental release measures
  - ( Personal precautions, protective equipment and emargency prosedures )
    - \* Wear protective equipments ( gloves, protective mask, apron and goggles ).
  - (Environmental precautions)
    - \* Prevent outflow being in water pipe or watercourse.
    - \* When water pipe or watercourse are polluted, contact organs concerned.
  - ( Methods and materials for containment and cleaning up )
    - \* Collects outflow to the container which can be shut, and move it to the safe place.
    - \* Prevent outflow using dry sand, earth or other imcombustible material, and make absorb residue to collect it.
    - \* It may use water sprayer to absorb the diffusion of vapour.
    - \* Dispose wastes based on the regurations concerned.
- 7. Handling and storage
  - (Handring: Technical measure)
    - \* Handle this based on the related laws ( Industrial Safety and Health Law, Fire Defense Law, etc. ).
    - \* Forrow the operation-standard, keep working atmosphere below TLV, promote ventilation.
    - \* After handling, wash hands with soap water. It should wash work clothing separately.
  - (Handring: Notice)
    - \* Avoid contact with strong oxidizing reagent.
    - \* It has a fear of causing a reaction by heating, acidic material and alkaline material.
    - \* Use the container which has no damage, no corrosion and no breakage.
    - \* Gather used containers to the decided safekeeping place.
  - (Storage)
    - \* Store container tightly closed in the place which well-ventilated and cool.

#### 8. Exposure controls/personal protection

Standard control concentration, threshold limit value etc.

( (	Control	parameters	e.g. occi	pational	exposure	limit	t value	es or	biolo	ogical	limit v	alues )	1
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Chemical name	Standard control concentration	Tthreshold limit value	ACGIH ( TLV )	PRTR
2-aminoethanol	—	3ppm	3ppm	Class 1-20
2-butoxyethanol	25ppm	—	20ppm	—
benzyl alcohol	—	—	_	—
-	-	—	—	—
-	—	—	1	—

[Equipment measure]

\* Set up safe shower, bathroom and face washing near the work area, and display the position.

\* Show the signs such like 'NO UNAUTHORIZED ENTRY'.

- (Protection measure)
  - \* As occasion demands, wear following guards appropriately.
    - air-supplied respirator, air SCBA, oxygen SCBA, chemical-cartridge respirator,
    - protective glasses, protective gloves, protective boots, protective clothing,
  - \* Check protective equipments regularly by the check list.
  - \* Don't eat, drink or smoke when using this product.
  - \* Wash hands with soap before eat, drink or smoke.
  - \* The person who showed the symptom of the asthma once should not contact this chemical because he may cause the same symptom.
  - \* Contact lens bring about special harm.
  - Don't use soft contact lens because it absorbs irritant and has possibility to concentrate them.
  - \* Wear chemical-proof type protective gloves and antistatic protective shoes.

## 9. Physical and chemical properties

(Ph	vsical	state:	Liauid	)

<u> </u>						
Colour	Translucent pale brown	Density	1.00	g∕mL(25°C)	Flash point	Not
Odour	Slight resin odour	PH	9 - 11		Ignition point	No data
Boiling point	100 °C (ref.)	Solbility	No data		Flammability or e	explosive limits
Vapour press	ure No data	Partiton co	oefficient n-oct	tanol/water	Lower	No data
			No data		Upper	No data

10. Stability and reactivity

(Chemical stability)

- \* The product seems to be stable.
- \* It has a possibility of the dangerous/harmful reaction.
- \* It reacts to the oxidizing materials.
- \* No other reactions were informed.

( Conditions to avoid )

- \* Heating, Contact with the avoidance, Ignition source.
- $\ast$  Degradation product which has dangerous/hazardous property.
- \* Vapour of organic solvent.
- \* Heat, light, metal powder and peroxide.

## 11. Toxicological information

Chemical name	Acute toxicity					
	Oral	Dermal	Gasas	Vapours		
2-aminoethanol	Not classified	Category 4	Not applicable	Classification not possible		
2-butoxyethanol	Category 4	Category 3	Not applicable	Category 3		
benzyl alcohol	Category 4	Category 4	Not applicable	Classification not possible		
-	-	-	-	-		
—	_	-	-	-		

Chemical name	Acute toxicity Mists	Skin corrosion/ irritation		Respiratory sensitization
2-aminoethanol	Classification not possible	Category 1A	Category 1	Classification not possible
2-butoxyethanol	Classification not possible	Category 2	Category 2A	Classification not possible
benzyl alcohol	Category 4	Not classified	Category 2	Classification not possible
-	-	-	-	-
-	-	-	-	-

Chemical name	Skin censitization	Germ cell mutagenicity	Carcinogenicity	Reproductive toxicity
2-aminoethanol	Category 1	Classification not possible	Classification not possible	Classification not possible
2-butoxyethanol	Not classified	Classification not possible	Classification not possible	Category 2
benzyl alcohol	Classification not possible	Not classified	Not classified	Classification not possible
-	-	_	-	-
-	-	-	-	-

Chemical name	Specific target organ sy	Specific target organ systemic toxicity		
	Single exposure	ngle exposure Repeated exposure		
2-aminoethanol	Category 1, 3	Category 1, 2	Classification not possible	
2-butoxyethanol	Category 1, 3	Category 1	Classification not possible	
benzyl alcohol	Category 1, 3	Category 1	Classification not possible	
-	-	-	-	
-	-	-	-	

\* Hazards information is peculiar to the chemicals. It doesn't change according to the content.

#### 12. Ecological information

Chemical name	Hazardous to aquat	Hazardous to aquatic environment				
	Acute	Chronic	Ozone layer			
2-aminoethanol	Category 2	Not classified	Classification not possible			
2-butoxyethanol	Not classified	Not classified	Classification not possible			
benzyl alcohol	Category 2	Not classified	Classification not possible			
-	-	-	-			
—	_	_	-			

\* Hazards information is peculiar to the chemicals. It doesn't change according to the content.

- \* Residual property/resolvability
- There are not data as a mixture.
- \* Creature accumulation characteristics There are not data as a mixture.
- \* Movement degree in the soil There are not data as a mixture.

13. Disposal consideration

\* Requests disposal to the agency who has solid-waste-treatment license.

- \* When disposing container, dispose after removing a content fully.
- \* Dispose of contents/container in accordance with local/regional/national regulation.

#### 14. Transport information

(National regulation)

\* There is not special regulation.

(International regulation) \* UN number

Not

- \* UN classification It doesn't correspond to the danger according to the UN recommendation.
- (Special precautions)
  - \* In case of transportation, carry "transportation notice" or "Yellow Card".
  - $\ast$  Confirm container tightly closed and no leaking before transportation.
  - \* In case of transportation, fix a container tightly and use buffering one as occasion demands.

#### 15. Regulatory information

* Industrial Safety and Health Law	
Dangerous goods	Not applicable
Ordinance on the Prevention of Organic Solvent Poisoning	Not applicable
Ordinance on Prevention of Lead Poisoning	Not applicable
Ordinance on Prevention of Hazards due to Specified Chemical Substances	Not applicable

Listed

Not listed

\* Pollutant Release and Transfer Register Law

- \* Poisonous and Deleterious Substances Control Law
  \* Fire Defense Law
  \* Ship Safety Law
  Not applicable
  Not applicable
- In Onlp Garety Law
- \* Offensive Odor Control Low

# 16. Other information

- (Main reference)
  - \* National Institute of Tecnology and Evaluation Opend data
  - \* Japan Paint Manufacturers Association
    - Raw material data base
      - The guide book for the creating SDS and label [mixture (paint)] Second edition Model MSDS and label samples [mixture (paint)]
  - \* Japan Industrial Safety and Health Association
  - The OJT text for the MSDS of mixture ( chemicals ) by GHS compatible
  - \* "YOZAI Pocket Book" \* "KIKEN BOSAI KYUKYU BINRAN"
  - \* International Chemical Safety Cards ( ICSC ) \* SDS of raw materials

(Notice)

- \* This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only.
- \* It should not therefore be construed as guaranteeing any specific property of the product.
- \* In case of use, set a safe conditions for handling.
- \* All chemicals have possibility of unknown hazards, so it needs a due attention for handling.
- \* Applicable scope of this document is only in Japan.