

Manufactured by: **A.L. Wilson Chemical Company**

Product Name: **YellowGo®**

Revision Number 1 Dated: 15.01.09 (DD/MM/YY)

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY / UNDERTAKING

Name of the product: YellowGo

Recommended use: Dye Stripper for use by Professional Dry Cleaners and Laundries

Chemical Name and Synonym: Titanyl Sulfate, Titanous Sulfate Acid Solution

Manufacturer: A.L. Wilson Chemical Company

Address: 1050 Harrison Ave, Kearny, NJ 07032

Country: U.S.A

Telephone No. 201-997-3300

Emergency No. 1-800-424-9300 or 1-703-527-3887

2. Composition / Information on ingredients

Name	Concentration (C)	Classification
Titanyl Sulfate CAS# 13825-74-4 (CAS# 13130-44-4 on label)		Not Classified
Sulfuric Acid CE# 231-639-5 Annex I Index: 016-020-00-8 CAS# 7664-93-9	$C \leq 23\%$	C, R35
Ammonium Bifluoride CE# 215-676-4 Annex I Index: 009-009-00-4 CAS# 1341-49-7	$1\% \leq C \leq 10\%$	C, R22-34
Citric Acid CAS# 77-92-9		Not Classified
Water CAS# 7732-18-5		Not Classified

Description of R phrases are specified in Section 16

3. Hazard(s) identification

Substance Preparation Classification

This preparation is dangerous under Directives 67/548/EC and 1999/45/EC regulations and subsequent amendments. This requires that this Safety Data Sheet be prepared according to Directive 91/155/EC and subsequent amendments. Further information and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbol: T, C

MATERIAL SAFETY DATA SHEET – EU Directive 1999/45/EC

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Revision Number 1 Dated: 15.01.09 (DD/MM/YY)

R Phrases: R25, R35, R41, R65

Danger Identification:

Corrosive. May be fatal if swallowed. Causes severe eye damage. May damage lungs if inhaled or aspirated. May produce skin burns.

Precautionary statements:

Do not smoke, eat or drink when using this product or in work area. Use with adequate ventilation. Use chemical rubber gloves, rubber apron and chemical splash goggles. Wash thoroughly after handling. Keep container sealed when not in use. Store in cool ventilated place.

4. First-aid measures

Inhalation:

IF INHALED, move affected person to fresh air. Get immediate emergency medical attention.

Skin contact:

IF ON SKIN, flush immediately with water for at least 15 minutes. Remove contaminated clothing and clean before reuse. Get immediate emergency medical attention.

Eye contact:

IF IN EYES, immediately flush with running water for at least 15 minutes. Get immediate emergency medical attention.

Ingestion:

IF SWALLOWED, drink large quantities of water. (Never give anything by mouth to an unconscious person.) Get immediate emergency medical attention.

5. Firefighting measures

Fire Fighters should use NIOSH approved SCBA & full protective equipment when fighting chemical fire. Use water spray to cool nearby containers exposed to fire.

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Suitable extinguishing media: Dry Chemical

Unsuitable extinguishing media: High pressure water jet or water stream

Specific hazards in case of fire: Hydrogen gas may be generated when acid comes in contact with metal

6. Accidental release measures

Personal precautions:

Cordon off spilled area. Wear protective clothing, chemical rubber gloves, rubber apron, rubber boots, hat, and chemical splash goggles. Remove any contaminated clothing and wash before re-use. Wash thoroughly after handling

Environmental precautions:

Dispose in accordance with local regulations.

Methods and materials for containment and cleaning up:

Neutralize with Soda Ash or Lime. Use a universal absorbent material to collect neutralized waste.

Never neutralize with a strong alkali material.

7. Handling and storage

Store in a cool and well ventilated place, away from alkalis and oxidizing materials. Keep container sealed when not in use. Do not smoke, eat or drink when using this product. Use in adequately ventilated work area. Wear chemical rubber gloves and rubber apron, and chemical splash goggles. Wash thoroughly after handling.

Do not store in a substitute container.

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8. Exposure controls / personal protection

Information on the system design:

Exposure Limits		
Substance	Concentration	Air Concentration (8 Hour)
Sulfuric Acid CE# 231-639-5 Annex I Index: 016-020-00-8 CAS# 7664-93-9	$C \leq 23\%$	TWA = 1.0 mg/m ³ (OSHA-PEL, ACGIH-TLV)
Ammonium Bifluoride CE# 215-676-4 Annex I Index: 009-009-00-4 CAS# 1341-49-7	$1\% \leq C \leq 10\%$	TWA = 2.5 mg/m ³ as F (OSHA-PEL, ACGIH-TLV)

Ventilation:

Use in well-ventilated area with local exhaust.

Respiratory protection:

Not Determined.

Hand Protection:

Wear PVC or neoprene gloves

Eye protection:

Safety glasses with side shields or chemical goggles must be worn.

Skin protection:

Wear PVC or neoprene gloves and chemical rubber apron. Wash thoroughly after handling. Do not smoke, eat or drink in work area.

9. Physical and chemical properties

Physical state: Liquid

Colour: Violet to Black Solution

Odour: Pungent Odor

Odour threshold: Not Determined

MATERIAL SAFETY DATA SHEET – EU Directive 1999/45/EC

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Revision Number 1 Dated: 15.01.09 (DD/MM/YY)

pH-value: ≤ 1.0

Melting point: Not Applicable

Freezing Point: Not Determined

Boiling point: Not Determined

Flash point: Not Determined

Flammability (solid, gas): Not applicable

Explosion limits: Not Determined

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Oxidizing Properties: None – Reducing Agent

Vapour pressure: Not Available (mbar (highest partial vapour pressure) at 20°C)

Relative density: 1.45 g/cm³ at 20°C

Solubility: Soluble in water

Partition coefficient: Log K_{ow} = Not Applicable

Viscosity: Not Determined

Vapour density: Not available

Evaporation rate: Not Determined

10. Stability and reactivity

Chemical stability: Stable, if used according to specifications.

Conditions to avoid: Avoid contact with strong alkalis, oxidizing compounds, metals.

Materials to avoid: Strong alkalis and oxidizing compounds.

Possibility of hazardous reactions: With metals can potentially release dangerous hydrogen gas.

Hazardous decomposition products: Not Determined.

11. Toxicological information

Acute Toxicity:

Acute Toxicity:		
Test	Results	Basis
Oral Toxicity (60 mg/kg)	May be Fatal	Based on Ingredients
Dermal Toxicity ()	Skin Corrosive	Based on Ingredients
Inhalation Toxicity, Vapor (Mouse, Rat)	Lung Damage	Based on Ingredients
Eye Irritation ()	Eye Damage	Based on Ingredients
Dermal Irritation (Rabbits)	Not Available	Based on Ingredients

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Product Name: **YellowGo®**

Revision Number 1 Dated: 15.01.09 (DD/MM/YY)

Summary Comments: May be fatal if Swallowed. Causes Severe Eye and Skin Damage which are irreversible. May Cause Damage to Lungs, Respiratory System and Pulmonary Edema.

Subchronic/Chronic Toxicity:

Test	Results	Comments
Dermal Sensitization	Not Available	Based on Ingredients

Summary Comments: Not Applicable

12. Ecological information

Ecotoxicity:

Aquatic Toxicity: Based on the concentration and type of ingredients, this product is not expected to be toxic to aquatic life.

Mobility: Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

Persistence and degradability: The degradation of inorganic materials not determined. However degradation via oxidation and hydrolysis should occur. The organic substance in this product is biodegradable.

Bio-accumulative potential: There is no evidence to suggest bioaccumulation will occur.

Other adverse effects: None known

13. Disposal considerations

Waste Disposal:

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

14. Transport information

UN-number: UN-2922

UN proper shipping name: Corrosive Liquids, Toxic, N.O.S. (Contains Titanium Sulfate/Ammonium Hydrogen Difluoride Solution)

Transport hazard class: 8 (6.1)

Packing group: II

Marine Pollutant: No

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15. Regulatory information

Health Hazard Symbols:



T Toxic



GHS Equivalent Label



C Corrosive



GHS Equivalent Label

R25 Toxic if swallowed

R35 Causes severe burns

R41 Risk of serious damage to the eye

R65 Harmful: may cause lung damage if swallowed

Inventory Status:

All components are on TSCA, EC, AICS, Japan, Korea, and DSL.

German: MAK: Not Determined

Australian Regulations: Not Determined

U.S. Regulations:

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES: ACUTE, CHRONIC

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name	CAS Number	Concentration
Sulfuric Acid	7664-93-9	≤ 23%

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16. Further information

Text of R phrases quoted in section 2 of this sheet.

R22-34 Harmful if swallowed. Also causes burns

R35 Causes severe burns

Abbreviations and acronyms:

C = Corrosive

T = Toxic

PVC = Polyvinylchloride

N.O.S. = Non Otherwise Specified

GHS = Global Harmonized System of Classification and Labeling of Chemicals

NIOSH = National Institute for Occupational Safety and Health

SCBA = Self Contained Breathing Apparatus

TSCA = Toxic Substance Control Act

TLV = Threshold Limit Values

TWA = Time-Weighted Average

OSHA = Occupational Safety & Health Administration

PEL = Permissible Exposure Limits

ACGIH = American Conference of Governmental Industrial Hygienists

DSL = Domestic Substance List (Canada)

AICS = Australian Inventory of Chemical Substances

EC = European Commission

German MAK = Germany Maximum Allowable Concentration

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