

# Manufacture of Thinners & Solvents (Properties, Uses, Production, Formulation with Machinery Details)



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Solvents are defined as chemicals compound that are introduced during manufacture of the paint itself and before packaging, in order to maintain all components of the paint in a liquid / viscous state such as we know it. A solvent is usually a liquid but can also be a solid or a gas. Solvents find various applications in chemical, pharmaceutical, oil, and gas industries, including in chemical syntheses and purification processes.

Thinners are defined as chemical compounds that are introduced into the paint prior to application, in order to modify the viscosity and other properties related to the rate of curing that may affect the functionality and aesthetics of the final layer painting. Paint thinner, a solvent used in painting and decorating, for thinning oil-based paint and cleaning brushes. A Thinner may be a single solvent or a combination of solvent types. Often, specific thinners are required by the manufacturer of a coating to prevent damage to coating properties that may occur when an inappropriate thinner is used.

Solvents (for cleaning up or softening) and Thinners (for diluting or extending) are useful not only in painting but in other areas such as Wooden Furniture industry, Automobile industry, Ink industry, Rubber industry. As the paint industry is a major consumer of Thinners & Solvents, and is expanding at a tremendous speed, it is very obvious that the demand of thinners, too, will increase tremendously. The paints & coatings accounts for the largest share in the aliphatic hydrocarbon Thinners & Solvents market. It is also projected to be the fastest-growing application of the aliphatic hydrocarbon Thinners and Solvents market.

The book contains Properties, Uses, manufacturing of Thinners & Solvents and providing information regarding thinner formulation. It also covers raw material suppliers, photographs of plant & Machinery with supplier's contact details. Some of the fundamentals of the book are thinner in Paint Industry, Health and Safety Measures of Chemicals, Pollution Control, Waste Disposal of Hazardous Chemicals and Storage, Labelling and Packaging of Chemicals etc.

It will be a standard reference book for professionals and entrepreneurs. Those who are interested in this field can find the complete information from manufacture to final uses of Solvents and Thinners. It will be very helpful to consultants, new entrepreneurs, technocrats, research scholars, libraries and existing units.

# Contents

## 1. Solvents

Classification of Solvents

Boiling Points

Rates of Evaporation

Polarity

Industrial Applications

Use

Chemical Composition

I. Organic Solvents

II. Inorganic Solvents

Chemical Structure

Behavior Toward Magdala Red

2. Application of Solvents

3. Properties of Solvents

Introduction

Molecular Weight

Boiling Point

Freezing Point

Density

Liquid Expansion Coefficient

Surface Tension and Absolute Viscosity

Flash Point and Explosive Limits

Autoignition Temperature

Electrical Conductivity

Immediate Danger to Life and Health

4. Environmental, Health and Safety Regulation

Fire

Explosive Peroxide Formation

Health Effects

Ways Solvents Can Enter Your Body

Absorption

Swallowing

What Are the Warning Signs?

Acute Poisoning

What to Do

Chronic Poisoning After Years of Repeated Exposures, the Typical Later Effects are

What to Do

How Solvents Affect the Skin

What to Do

How Much Exposure is Bad for You?

Environmental Contamination

Duties of Employers and Employees

Material Safety Data

Training

5. Manufacturing Process of Solvent

6. Uses of Solvent in Various Industries

Adhesives and Sealants

Common Use of Adhesive in Various Industry

Sealants

Common Use of Sealants in Various Industry

Aerospace  
Acetone  
Alcohol  
Benzene  
Methyl Ethyl Ketone (MEK)  
Methylene Chloride  
Toluene  
Turpentine  
Mineral Spirits  
Naphtha  
Linseed Oil  
Asphalt Compounding  
Biotechnology  
Biotransformation Using Solvent-Tolerant Microorganisms  
Solvent-Resistant Microorganisms  
Process of Solvent Toxicity for Microorganisms  
Choice of Solvent for Enzymatic Reaction in Organic Solvent  
Low Water Systems  
Classification of Organic Solvents  
(1) Water-Miscible Organic Solvents  
(2) Water-Immiscible Organic Solvents  
(3) Water-Insoluble Organic Solvents  
Classification of Solvents Commonly Used for Enzymatic Reactions in Organic Media  
Properties of Enzymes Affected by Organic Solvents  
Thermal Stability (Half-Life),  $t_{1/2}$   
Specificity and Selectivity,  $K_{cat}/K_m$   
Coil Coating  
Cosmetics and Personal Care Products  
Electronic Industry  
Cleaning in Electronics Manufacturing  
Factors Affecting Cleaning  
Dry Cleaning  
Drycleaning Solvents  
Petroleum Drycleaning Solvents  
Dry Cleaning Processes  
Solvent Storage Tanks  
Detergents  
Process of Cleaning  
Textile Finishing  
Waterproofing  
Milling  
Antistatic Finishing  
Fabricated Metal Products  
Machining Operations  
Metal Parts Cleaning and Stripping  
Solvent Cleaning  
Aqueous (Alkaline and Acid) Cleaning and Stripping  
Abrasive Cleaning and Stripping  
Water Cleaning  
Waste Streams  
Food Industry  
Mechanical Extraction  
Solvent Extraction

The Solvent Extraction Process  
Flow diagram of Oilseed Extraction Process  
Review of Solvents Studied for Extraction Efficiency  
Iron Steel Industry  
List of Solvents Releases from the Iron and Steel Industry  
Uses of Solvent in Ship Industry  
Cleaning Operations Using Organic Solvents  
Pulp and Paper  
Printing Industry  
Pharmaceutical Industry  
7. Solvent Recycling, Removal and Degradation  
Introduction  
Process Description and Emissions  
General Processes in Solvent Recycling Operations  
Solvent Recycling Operations  
Solvent Storage  
Solvent Handling  
Initial Treatment  
Typical Fixed-Bed Activated Carbon Solvent Recycling System  
Distillation and Purification  
Distillation Process for Solvent Recycling  
Spills  
Equipment Leaks  
Emission Estimation Techniques: Acceptable Reliability and Uncertainty  
Direct Measurement  
Mass Balance  
Engineering Calculations  
Emission Factors  
8. Solvents Market  
Industrial Solvent Market  
Green Solvent and Bio-Solvents Market  
9. Thinners  
Introduction  
Uses of Thinners  
Types of Thinner Used in industries  
Types of Thinner Based on the Paint with which it is Mixed  
10. Manufacturing Process  
Thinner Formulation  
11. Formulation of Thinners  
Epoxy Thinner  
Composition of Ingredients  
Handling and Storage  
Physical and Chemical Properties  
Paint Thinner  
Composition of Thinner  
Handling and Storage  
Precautions to Be Taken in Handling  
Precautions to be Taken in Storing  
Physical and Chemical Properties  
Acrylic Thinner  
Composition/Information on Ingredients  
Handling and Storage  
Physical and Chemical Properties

Varnish Thinner  
Composition/Information on Ingredients  
Handling and Storage  
Handling Precautions  
Incompatible Materials  
Storage Conditions  
Physical and Chemical Properties  
12. Thinner in Paint Industry  
Odorless Paint Thinner  
Requirements of the Thinners  
Functions of the Thinners  
Properties of Paint Thinner  
Solvents Used as Paint Thinners Include  
Other Solvents Sometimes Used in the Production of Paint Thinners Include  
13. Health and Safety Measures of Chemicals  
Health Hazards  
Solvents – Thinners  
How to Control Health Hazards  
Environmental Control  
Use Appropriate Personal Protection  
Respirators  
Eye and Hearing Protection  
Protective Clothing  
Handling and Storage  
Accidental Release Measures  
Precautions  
Spill or Leak  
Do Not Get Water Inside Containers  
Fire and Explosion Hazards  
Things to Do and Not to do Before Mixing Thinner in Paint  
Material Safety Data Sheet  
What is a Material Safety Data Sheet (MSDS)?  
What is the Purpose of an MSDS?  
What information is on the MSDS?  
Reactivity Data  
Why is an MSDS Hard to Read?  
When Would We Use an MSDS?  
Hazard Communication Standard  
Solvents  
14. Pollution Control  
Environmental Concerns  
Pollution Caused by Thinner  
Major Emissions  
Impacts on Human Health and Environment  
What is Pollution Prevention?  
Methods for Reducing the Pollution  
15. Waste Disposal of Hazardous Chemicals and Storage  
General Requirements for Storage of Chemicals  
Prohibited and Restricted Hazardous Chemicals  
Exposure Standards  
Identifying Hazards  
Hazardous Chemicals Generated or Manufactured in the Workplace  
Segregate Incompatibles

Segregate Families  
Flammable Liquid Storage  
Classifications of Flammable and Combustible Liquids  
Flammable Liquids  
Combustible Liquids  
Corrosive Storage  
Transporting Chemicals  
Hazardous Waste Disposal  
General Requirements for Waste Disposal  
Standard of Containers  
Containers to be Resistant to the Contents  
Containers should be in Good Condition  
Containers to be Securely Closed  
No Mixing of Incompatible Wastes in a Container  
Sufficient Air Space in Containers When Storing Liquid Wastes  
Disposal of Paint Related Materials  
Hazardous Waste Minimization  
Process Level Impacts  
16. B.I.S. Specifications of Solvents and Thinners  
Solvents  
Thinner  
17. Labelling and Packaging of Chemicals  
Introduction  
General Requirements of Labelling and Packaging in Accordance with the Chemical Labelling & Packaging (CLP) Regulation  
General Labelling Rules  
Elements of the CLP Hazard Label  
CLP Labelling Requirements Versus Discretion of the Supplier  
Classification of Hazardous Substance/Mixtures  
Updating the Hazard Label  
Labelling of Workplace Chemicals  
Hazard Labels for Supply and Transport Outer and Inner Packaging Classified for Supply but not for Transport  
Outer and Inner Packaging Classified for Both Transport and Supply  
Single Packaging Classified Under Both Supply and Transport  
CLP Rules on Packaging of Substances and Mixtures  
Child-Resistant Fastening and Tactile Warnings of Danger  
Child-Resistant Fastening (CRF)  
Tactile Warning of Danger (TWD)  
Hazard Pictograms  
Shape, Colour and Dimensions  
Precedence Rules  
Blank Pictograms  
Signal Words  
Hazard Statements  
Precautionary Statements  
Codes for Hazard and Precautionary Statements  
Code Ranges of Hazard and Precautionary Statements Under CLP  
Guidance on Particular Aspects of CLP Hazard Labelling  
Further Aspects to Consider for the CLP Hazard Label  
Size of the Label and of the Label Elements  
Minimum Dimensions of Labels and Pictograms Under CLP  
18. Photographs of Machinery with Supplier's

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