



## Safety Data Sheet

### I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : T901 THINNER  
Supplier :  
Supplier's Address :

Emergency Telephone Number

### II. HAZARDS IDENTIFICATION

GHS Classification : Flammable liquid : category 2  
: Reproductive toxicity : category 2  
: Aspiration hazard : category I  
: Specific target organ toxicity - repeated exposure : category 2  
: Skin corrosion/irritation category 2  
: Specific target organ toxicity - single exposure : category 3

GHS label elements  
SYmbal(s)



Signal words

: Danger

GUS Hazard statements

: *Physical Hazards*

H225 Highly flammable liquid and vapour  
*Health Hazards*  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation  
H336 May cause drowsiness or dizziness  
H361 Suspected of damaging fertility or the unborn child  
H373 May cause damage to organs through prolonged or repeated exposure

GHS Precautionary statements

: *Prevention*

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames/ hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 Avoid breathing dust/fume/gas/mist/spray/vapour.



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P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	
P301+P310	<b>If swallowed</b> : Call a poison center or doctor/physician if feel unwell.
P302+P352+P353	<b>If on skin</b> : Wash with plenty of water.
	<b>If on skin (or hair)</b> : Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	<b>If inhaled</b> : Remove to fresh air and keep at rest in a position comfortable for breathing.
P308+P313	<b>If exposed or concerned</b> : Get medical advice/attention.
P312	Call a poison center or doctor/physician if feel unwell.
P314	Get medical advice/attention if feel unwell.
P331	Do not induce vomiting.
P332+P313	<b>If skin irritation occurs</b> : Get medical advice or attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	<b>In case of fire</b> : Use dry sand, dry chemical and alcohol-resistant foam to extinguish.
<b>Storage</b>	
P403+P235	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
<b>Disposal</b>	
P501	Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.

### III. COMPOSITION INFORMATION ON INGREDIENTS

Identification of the substance : Thinners  
Compositions :

Name	%
Aromatic	46 - 56
Alcohol	18 - 22
Acetate	11 - 13
Ketone	12 - 16
Ether Glycol	1 - 3

### IV. FIRST AID MEASURES

General Advice : When symptoms persist or in all cases of doubt seek medical advice.  
Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.  
Skin Contact : Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re use. Call a physician.



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Eye Contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician.
Ingestion	: Do not induce vomiting without medical advice. If a person vomits when lying on his back, place him in the recovery position. Call a physician immediately, Never give anything by mouth to an unconscious person.

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### V. FIRE - FIGHTING MEASURES

Flash Point	: - 4.4 °C (closed cup) (based on data of the composition : Ester)
Auto-ignition Temperature	: The lowest value of the constituent composition : 399°C (Alcohol)
Explosive Limits	: 1.1 - 7.1 %vol (based on data of the composition : Aromatic)
Extinguishing Media	: Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide
Unappropriate extinguishing media	: Solid water stream (as it may scatter and spread fire)
Fire Fighting Procedures	: Use water spray to cool fire exposed surfaces and to protect personnel. Shut off fuel to fire if possible to do so without hazard. If a leak or spill has not ignited use water spray to disperse the vapours. Either allow fire to burn out under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Avoid spraying water directly into storage containers due to danger of boil over.
Special Protective Equipment for Fire-Fighter	: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

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### VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions	: Immediately evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Wear personal protective equipment. Unprotected persons must be kept away. Ensure adequate ventilation. Remove all sources of ignition. Vapours may travel to areas away from work site before igniting/flashing back to vapour source. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing.
Environment Precautions	: Discharge into the environment must be avoided. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. Collect contaminated fire extinguishing water separately. This must not be discharged into drains,
Methods for Cleaning Up	: Use non sparking tools and explosion-proof equipment's. Contain and collect spillage with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth and place in container for later safe disposal according to local regulations.

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### VII. HANDLING AND STORAGE

Handling	: Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Handle with care. Use only in well-ventilated area. Take precautionary measures against static discharges. Ensure all equipment is electrically grounded before beginning transfer operations. Keep product and empty container away from heat and sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Storage	: Storage rooms must be properly ventilated. Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat and sources of ignition. Keep away from direct sunlight. Store in area designed for storage of flammable liquids. Protect from physical damage. Store away from incompatible substances.

### VIII. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure standards	: American Conference of Governmental Industrial Hygienists (ACGIH) Aromatic : TWA - 50 ppm Alcohol : TWA - 200 ppm Ester : TWA - 400 ppm TWA is the time weighted average concentration for a normal 8-hour workday and a 40-hour workweek, to which nearly all workers may be repeatedly exposed, day after day, without adverse effect.
Respiratory Protection	: In case of insufficient ventilation wear suitable respiratory equipment.
Skin and Body Protection	: Wear solvent-resistant apron and boots, flame retardant antistatic protective clothing. If splashes are likely to occur, wear protective suit.
Eye Protection	: Do not wear contact lenses. Wear safety glasses with side-shields. If splashes are likely to occur, wear goggles or face shield, giving complete protection to eyes.
Hand Protection	: Wear appropriate gloves to prevent skin exposure.

### IX. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Colour	: Colourless
Odour	: Characteristics
Boiling Point	: 76 -111
Melting Point	: No Data Available
Flash Point	: -4.4 °C (closed cup) (based on data of the composition : Ester)
Auto-ignition Temperature	: The lowest value of the constituent composition : 399°C (Alcohol)
Explosive Limits	: 1.1 - 7.1 %vol (based on data of the composition : Aromatic)
Specific Gravity	: 0.830 t 0.002
Evaporation Rate	: No Data Available
Water Solubility (25 °C)	: No Data Available



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### X. STABILITY AND REACTIVITY

Stability	: Stable under normal storage and handling conditions.
Conditions to avoid	: Heat, ignition sources (flames, sparks, static), incompatible material.
Incompatible Materials	: Strong oxidizing agents, strong acids and strong bases
Hazardous Polymerization	: Will not occur
Hazardous Decomposition Products	: Carbon dioxide and carbon monoxide may form by incomplete combustion.

### XL TOXICOLOGICAL INFORMATION

#### *Aromatic*

##### *Acute Toxicity*

Acute Oral Toxicity	: LD50 rat : 636 mg / kg
Acute Inhalation Toxicity	: LC50 rat : 49 gm/ma/4 hour
Acute Dermal Toxicity	: LD50 rabbit : 14.1 mL / kg

#### *Alcohol*

##### *Acute Toxicity*

Acute Oral Toxicity	: LD50 rat : 5045 mg / kg
Acute Inhalation Toxicity	: LC50 rat : 16000 ppm / 8 hour
Acute Dermal Toxicity	: LD50 rabbit : 12800 mg / kg

#### *Ester*

##### *Acute Toxicity*

Acute Oral Toxicity	: LD50 rat : 5620 mg / kg
Acute Inhalation Toxicity	: LC50 rat : 200 gm/m <sup>3</sup>
Acute Dermal Toxicity	: LD50 rabbit : 20 mL / kg

#### *Effects on Human*

Inhalation	: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Inhalation of vapour may cause respiratory tract irritation. May cause liver and kidney damage. Vapours may cause dizziness or suffocation. Overexposure may cause dizziness, tremors, restlessness, rapid heartbeat, increased blood pressure, hallucinations, acidosis, and kidney failure.
Ingestion	: May cause irritation of the digestive tract. May cause similar effect to those for inhalation exposure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Skin Contact	: Irritating to skin. May be harmful if absorbed through skin, may cause systemic poisoning with symptoms paralleling those of inhalation. Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and possible blistering.
Eye Contact	: Irritating to eyes. Causes itching, burning, redness and tearing. May cause corneal injury.



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### XII. ECOLOGICAL INFORMATION

#### *Aromatic*

- Persistence and Degradability : Product is readily biodegradable
- Ecotoxicity : **Toxicity to fish:** LC50 (96 H): 240 mg/L , Channel catfish  
**Toxicity to daphnia:** LC50 (48 h): 313 mg/L, Daphnia magna  
**Toxicity to shrimp :** LC 50 (96 h) : 9.5 mg/L, Palaemonetes pugio
- Bioaccumulation : Not expected to bioaccumulate significantly

#### *Alcohol*

- Persistence and Degradability : Product is readily biodegradable
- Ecotoxicity : **Toxicity to fish:** LC50 (24 h): 5000 mg/L , Carassius auratus  
**Toxicity to daphnia:** LC50 (24 h): 10000 mg/L, Daphnia magna  
**Toxic to shrimp :** LC 50 (48 h) 1400 mg/L, Crangon crangon  
**Toxicity to bacteria :** LC50 (24 h): 116 mmol/L, Spirostomum ambiguum
- Bioaccumulation : Not expected to bioaccumulate significantly

#### *Ester*

- Persistence and Degradability : Product is readily biodegradable
- Ecotoxicity : **Toxicity to fish:** LC50 (96 h): 425.3 mg/L Oncorhynchus mykiss  
**Toxicity to daphnia:** EC50 (24 h): 2306 mg/L, Daphnia magna  
**Toxicity to algae :** EC 50 (48 h) : 3300 mg/L, Scenedesmus subspicatus
- Bioaccumulation : Not expected to bioaccumulate significantly
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### XIII. DISPOSAL CONSIDERATIONS

- Substance : This material must be contained and not disposed to sewerage systems, drains or waterways. Prohibited from disposing of the remaining ingredients into the environmental media, without prior processing in accordance with Government Regulation No.101/ 2014, concerning the Management of Hazardous and Toxic Waste.
- Container : Dispose of all waste containers and used drums in accordance with local authority guidelines. Empty containers must be decontaminated by rinsing with water. Non- returnable containers should be de-gassed prior to disposal. Waste containers can either be reused for the same material or disposed in accordance with Government Regulation No. 101/ 2014, concerning the Management of Hazardous and Toxic waste.
- Local Regulation : Suitable for incineration by approved agent under controlled conditions if permitted by local authorities, otherwise disposal must be in accordance with local waste and environmental authority requirements.
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### XIV. INFORMASI TRANSPORTASI

Road and Rail Transport	: UN number	: 1993
	Class	: 3
	Packing Group	: 111
	Proper Shipping Name	: Thinner
Marine Transport	: UN number	: 1993
	Class	: 3
	Packing Group	: 111
	Proper Shipping Name	: Thinner
Air Transport	: UN number	: 1993
	Class	: 3
	Packing Group	: 111
	Proper Shipping Name	: Thinner

### XV. REGULATORY INFORMATION

*The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.*

Related Regulations	: Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulation 2013
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### XVI. OTHER INFORMATION

Abbreviation	: TWA	Time Weighted Averages
	ACGIH	American Conference of Governmental Industrial Hygienists
	EC50	Half Maximal Effective Concentration
	LC50	Lethal Concentration and Time
	LDS	Median Lethal Dose

#### *Disclaimer*

The information contained in this Safety Data Sheet is intended to assist in the use of the above product without risk to safety or health and is based on current knowledge and experience. This information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. This is a combination of safety data sheets of each ingredient constituent.