

## MATERIAL SAFETY DATA SHEET (MSDS)

<b>TROY INTERNATIONAL</b> 8 Vreeland Road Florham Park, NJ 07932 USA	<b>FOR MSDS INFORMATION: 1-973-589 -2500 (US A)</b> <b>24 HOUR EMERGENCY PHONE NUMBER</b> <b>CHEMTREC 1-703-5 27-38 87 (US A)</b>	<b>Troys of S 366</b> <b>Product Code:</b> 202 3X, 60608X Effective Date: November 20, 2001 Replaces: April 11, 1997		
<b>1. PRODUCT &amp; COMPANY IDENTIFICATION</b>				
<b>PRODUCT NAME</b>	Troys of S366	<b>MANUFACTURER</b>		
		Troy Chemical Corporation		
<b>2. COMPOSITION/INFORMATION ON INGREDIENTS</b> (The listed components are considered to be hazardous)				
<b>CHEMICAL NAME</b>	<b>CAS#</b>	<b>%</b>	<b>AGENCY</b>	<b>EXPOSURE LIMITS</b>
Hydrodesulfurized heavy petroleum naphtha	64742-82-1	10-30	OSHA	TWA: 500 ppm
			ACGIH	TWA: 100 ppm
Super high flash naphtha	Mixture	<10	Not applicable	None established
Containers: Aromatic petroleum distillates	64742-95-6	<5	Not applicable	None established
1,2,4-trimethylbenzene	95-63-6	<5	Not applicable	None established
<b>3. HAZARDS IDENTIFICATION - POTENTIAL HEALTH EFFECTS</b>				
<b>EMERGENCY OVERVIEW</b>				
Troys of S366 is an amber liquid with a solvent odor. Combustible liquid. May cause skin and respiratory irritation and severe eye irritation.				
<b>ROUTES OF ENTRY</b>				
Ingestion, skin contact, skin absorption, eyes, inhalation				
<b>INGESTION</b>				
Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects. Ingestion may cause gastrointestinal irritation (nausea, vomiting, and diarrhea). Aspiration of material into the lungs can cause lung damage. Ventricular fibrillation may occur.				
<b>SKIN</b>				
Direct contact may cause irritation with redness, burning, drying and cracking, skin burns, and skin damage. Solvents may be absorbed through the skin and may contribute to symptoms of toxicity from other routes of exposure.				
<b>EYE CONTACT</b>				
Eye contact with liquid may cause severe eye irritation, redness, pain and tearing. May cause corneal injury unless washed from eyes promptly.				
<b>INHALATION</b>				
Exposure to vapor or mist is possible and may cause respiratory irritation. Short-term inhalation toxicity is low. Excessive inhalation may be harmful and may cause respiratory irritation, nausea, vomiting, dizziness, and lung damage. Ventricular fibrillation may occur. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits.				
<b>CHRONIC EFFECTS</b>				
Repeated or prolonged inhalation may cause central nervous system effects. Reproductive effects have been reported in animals.				
<b>TARGET ORGANS</b>				
Central nervous system, eyes, skin, respiratory system, blood.				
<b>CARCINOGENICITY</b>				
This product (or component) is not listed as a carcinogen according to OSHA, NTP, IARC, and ACGIH.				
<b>MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE</b>				
May aggravate CNS, respiratory and skin disorders and allergies.				
<b>4. FIRST AID MEASURES</b>				
<b>INGESTION</b>				
Get medical attention immediately. Do not induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. Remove contaminated clothing and shoes promptly. Wash affected areas with soap or mild detergent and large amounts of water until no evidence of chemical remains (approximately 15 minutes). If skin is damaged, get medical attention immediately. If skin is not damaged and symptoms persist, get medical attention. Wash clothing before reuse.				
<b>SKIN CONTACT</b>				
Wash eyes immediately with large amounts of water for at least 15 minutes. Get medical attention immediately.				
<b>EYE CONTACT</b>				
<b>INHALATION</b>				
If symptoms develop, remove from exposure area to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. If breathing has stopped, perform artificial respiration. Keep persons warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.				
<b>NOTES TO PHYSICIAN</b>				
None				
<b>5. FIRE FIGHTING MEASURES</b>				
<b>FLASH POINT</b>				
43°C (110°F) (ASTM D3278-89 Setflash Closed-Cup)				
<b>FLAMMABLE LIMITS</b>				
0.6% - 7% (for petroleum naphtha)				
<b>AUTOIGNITION TEMPERATURE</b>				
240°C (464°F) (for petroleum naphtha)				
<b>FLAMMABILITY CLASS</b>				
Combustible liquid - Class II				
<b>HAZARDOUS PRODUCTS OF COMBUSTION</b>				
Carbon monoxide, carbon dioxide, silicon dioxide, and various hydrocarbons.				
<b>FIRE EXTINGUISHING MEDIA</b>				
Dry chemical, carbon dioxide, water spray, or regular foam.				
<b>FIRE FIGHTING INSTRUCTIONS</b>				
Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Avoid breathing vapors, keep upwind. Positive pressure self-contained breathing apparatus with full facepiece and structural firefighters' protective clothing will provide limited protection.				
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS</b>				
Solvent vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by flames and ignition sources. Runoff to sewer may create fire or explosion hazard. Never use welding or cutting torch on or near drum (even empty) because product (even residue) can ignite explosively. At temperatures in excess of 150°C (302°F), the formation of small quantities of formaldehyde is possible.				

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<b>6. ACCIDENTAL RELEASE MEASURES</b> Keep unnecessary people away; isolate hazard area and deny entry. Wear protective equipment as specified in Section 8. Stay upwind; keep out of low areas. Positive pressure self-contained breathing apparatus and structural firefighters' protective clothing will provide limited protection. Shut off ignition sources; no flares, smoking, or flames in hazard area. Stop leak if you can do it without risk. Use water spray to reduce vapor, but it may not prevent ignition in closed spaces. For small spills, absorb with vermiculite or other noncombustible absorbent material and place into containers for later disposal. For large spills, dike far ahead of liquid spill for later disposal. If water pollution occurs, notify the appropriate authorities. Observe all Federal, State, and Local regulations regarding notification of accidental releases.						
<b>7. HANDLING &amp; STORAGE</b> Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or mist. Wash thoroughly after handling. Keep container tightly closed. Use only with adequate ventilation. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum recycler, or properly disposed of. Store away from incompatible substances in a cool, dry, ventilated area. Plastic drums are nonconductive and, appropriate safety measures must be taken to prevent possible ignition when filling or dispensing flammable or combustible liquids. Observe all Federal, State, and Local regulations when storing or disposing of this substance.						
<b>8. PERSONAL PROTECTION/EXPOSURE CONTROLS</b>						
<b>VENTILATION</b>	Provide local exhaust or process enclosure ventilation to meet published exposure limits.					
<b>EYE/FACE PROTECTION</b>	If potential for contact with liquid or vapors exists, use splash-proof safety goggles or other approved eye protection.					
<b>SKIN PROTECTION</b>	Wear impervious gloves and apron to prevent skin contact. Wear impermeable suit if exposure is possible to a large portion of the body.					
<b>RESPIRATORY PROTECTION</b>	If exposure may exceed recommended limits, an approved respirator should be used based on exposure levels found in the workplace.					
<b>OTHER</b>	Eyewash and safety shower should be available within the immediate work area for emergency use.					
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>						
<b>APPEARANCE</b>	Amber liquid	<b>SPECIFIC GRAVITY AT 25°C. (Water =1)</b>	0.95-0.98			
<b>ODOR</b>	Solvent odor	<b>WATER SOLUBILITY</b>	Insoluble			
<b>INITIAL BOILING POINT</b>	150°C (302°F)	<b>pH</b>	Not determined			
<b>VAPOR PRESSURE AT 20°C.</b>	3 mm Hg (for high flash naphtha)	<b>EVAPORATION RATE (Butyl acetate=1)</b>	<1			
<b>VAPOR DENSITY (Air=1)</b>	>1	<b>% VOLATILES BY WEIGHT</b>	29% nominal			
<b>VISCOSITY (Gardner) AT 25°C.</b>	E max					
<b>10. STABILITY &amp; REACTIVITY</b>						
<b>REACTIVITY</b>	Stable under normal temperatures and pressures.					
<b>CONDITIONS TO AVOID</b>	Avoid heat or sources of ignition.					
<b>INCOMPATIBILITY</b>	Avoid strong acids, bases, oxidizing agents, and materials reactive with hydroxyl compounds.					
<b>HAZARDOUS DECOMPOSITION</b>	Decomposition may release carbon monoxide, carbon dioxide, silicon dioxide, and various hydrocarbons.					
<b>HAZARDOUS POLYMERIZATION</b>	Hazardous polymerization does not occur.					
<b>11. TOXICOLOGICAL INFORMATION</b>						
No acute test data is available on this product. For additional information, contact Troy Chemical Corporation.						
<b>12. ECOLOGICAL INFORMATION</b>						
No data is available.						
<b>13. DISPOSAL INFORMATION</b>						
Disposal procedures must be in accordance with local regulations.						
<b>14. TRANSPORTATION INFORMATION</b>						
<b>IATA, IMDG SHIPPING NAME</b>	Flammable liquid, n.o.s. (contains: petroleum distillates and super high flash naphtha), 3, UN1993 P G III					
<b>LABELS REQUIRED</b>	Flammable liquid					
<b>15. REGULATORY INFORMATION</b>						
<b>CHEMICAL INVENTORIES</b> The ingredients of this product are all on the following Chemical Substance Inventories or are exempt.						
TSCA <input checked="" type="checkbox"/>	EINECS <input checked="" type="checkbox"/>	DSL <input checked="" type="checkbox"/>	AICS <input checked="" type="checkbox"/>	ECL <input checked="" type="checkbox"/>	MITI/ENCS <input type="checkbox"/>	PICCS <input checked="" type="checkbox"/>
U.S.	Europe	Canada	Australia	Korea	Japan	Philippines
<b>16. OTHER</b>						
<b>REVISIONS</b>	Prepared by: Environmental and Regulatory Affairs Dept.					
This MSDS has been revised in the following sections: (revisions indicated in left border)						
Revisions throughout MSDS						

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