Material Safety Data Sheet
May be used to comply with OSHA's Hazard Communication Standard, 49 CFR 173.4. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY *(as Used on Label and List)*

JSP Gold Test Solution
GT40, GT42, GT44, GT45 and GT48

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name JSP Inc	Emergency Telephone Number 1(800) 255-3924 (Chemtel Inc)
Address *(Number, Street, City, State and ZIP Code)*	Telephone Number for Information 1(323) 231-0600
2840 S Alameda St	Date Prepared October 23, 2009
Vernon, CA 90058	Signature of Preparer *(optional)*

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Nitric Acids HNO3	4ppm	2ppm		63%
Hydrochloric Acids H CL	5ppm	2ppm		36.5%
	7mg/m3			

Section III—Physical/Chemical Characteristics

Boiling Point	181-187 F	Specific Gravity (H_20 = 1)	More than 1
Vapor Pressure (mm Hg)	20 C 25	Melting Point	N/A
Vapor Density (AIR = 1)	Heavier than air	Evaporation Rate (Butyl Acetate = 1)	Less than 1

Solubility in Water 100%

Appearance and Odor Colorless to light yellow; pungent odor

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used) Nonflammable	Flammable Limits N/A	LEL N/A	UEL N/A

Extinguishing Media Water Spray

Special Fire Fighting Procedures Firefighter should be equipped with self-contained breathing apparatus with full protective clothing

Unusual Fire and Explosion Hazards Flammable and potentially explosive hydrogen metal is generated from reaction with most metals

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid N/A
	Stable	X	

Incompatibility *(Materials to Avoid)* Most metals. Alkalis, metallic oxides, amines, esters ans certain other organics; propiolactone (beta), propylene oxide (ibid): cause exothermic reaction. Carbonates cyanides, sulfides yield tonic gases

Hazardous Decomposition or Byproducts Hydrogen Chloride vapors released at ambient, but in increasing amounts at higher temperatures.

Hazardous Polymerization	May Occur		Conditions to Avoid N/A
	Will Not Occur	X	

Section VI—Health Hazard Data

Route(s) of Entry Inhalation? Choking, coughing headache, dizziness Skin or eyes? Irritation or burns Ingestion? N/A

Health Hazards *(Acute and Chronic)* Acute: Lung irritation and pulmonary edema

Chronic: Gastritis and bronchitis have been reported

Carcinogenicity NTP? N/A IARC Monographs? N/A OSHA Regulated? No

Signs and Symptoms of Exposure May cause irritation in sensitive individuals

Medical Conditions
Generally Aggravated by Exposure None is known

Emergency and First Aid Procedures For eye contact: Wash with water for 20- 30 minutes and seek medical attention. For skin contact, immediately flush with water for at least 15 minutes and removing contaminated clothes. Get Medical help.
Inhaled: Promptly remove to fresh air. If breathing has stopped, give artificial respiration. Get PROMPT medical help.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled Dilute leaks with water. Neutralize residue with soda ash lime or limestone. Adequate ventilation required due to release of carbon dioxide gas. For major spill keep people without protective equipment away. Soak up with absorbent material such as sawdust or vermiculate and place in a suitable container for disposal.

Waste Disposal Method Waste should be cautiously diluted with water and neutralized with alkali. Neutralized waste should be Disposed of in accordance with applicable disposal regulations

Precautions to Be Taken in Handling and Storing Should be stored in an area away from excessive heat and moisture.

Other Precautions Dispose of all waste in accordance with federal, state and local regulations.

Section VII—Control Measures

Respiratory Protection *(Specify Type)* use a respirator approved by NIOSH for nitric and hydrochloric acid

Ventilation	Local Exhaust X	Special
	Mechanical *(General)*	Other

Protective Gloves Acid resistance protective latex Gloves | Eye Protection Wear safety goggles

Other Protective Clothing or Equipment Vinyl apron

Work/Hygienic Practices None required

Section VIII – Transportation Information

Mode: Domestic (Land, D.O.T.), IMDG, IATA

Proper Shipping Name: Corrosive Liquid NOS (Nitric Acids) 63%

Hazard Class: 8 | UN/NA: UN1760 | PG: II

Transportation Emergencies: 800.255.3924 (USA) and +18132480585 (International/Maritime)