



ORION

MATERIAL SAFETY DATA SHEET

ORION WCP- 61 WHITE CONTRAST PAINT

1. IDENTIFICATION

Company: THE ORIENTAL CHEMICAL WORKS (P) LTD
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Product Use: White contrast coating used in magnetic particle inspection process defined in ASTM E-1444
Packages: Aerosol containers
NFPA Rating: Health 2, Flammability 4, Reactivity 0

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredients	CAS #	W/W %	PEL	TLV(ppm)	TLV(mg/M3)
2-propanone	67-64-1	75-85	750ppm	500	
Isobutane (Propellant for Aerosol only)	75-28-5	35-45	1000ppm		
Inert pigment mixtures	Not applicable	10-20	Not applicable	Not applicable	

3. HEALTH HAZARDS: Flammable Liquid & Vapor

Eye Contact: Spray may cause irritation, redness, tearing and swelling of eyes. Vapor may irritate eyes as well.
Skin Contact: Causes severe skin irritation and cracking with prolonged or repeated contact due to defatting of skin.
Swallowing: May cause abdominal pain, nausea and vomiting. This poses an aspiration hazard of entry to the lungs which can produce severe lung damage and is a medical emergency. Inhalation: Vapors can irritate respiratory tract.
Chronic Exposure: Stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, fatigue, headache, narcosis and unconsciousness).
Carcinogenicity: This product contains material considered to be a carcinogen by the national toxicology program, the international agency for research on cancer, OSHA, or NIOSH.

4. FIRST AID

Eyes: Flush eyes with clean water holding eyelids open. Seek medical attention.
Skin: Remove contaminated clothing. Wash exposed area with soap and water. Apply moisturizing lotion. Launder clothing before reuse.
Swallowing: Do not induce vomiting but vomiting may occur spontaneously. Call a physician.
Inhalation: Remove to fresh air, get medical help

5. FIRE HAZARDS

Flash Point: -20°C (-4°F) TCC
Explosive Limit: 2.5-12.8 % by vol.
Autoignition Temperature: Not Established
Hazardous Products of Combustion: May form carbon dioxide and carbon monoxide.
Fire and Explosion Hazards: Extremely flammable liquid and vapor. Vapor may cause flash fire. Contact with strong oxidizers may cause fire. Sealed containers may rupture when heated. This material may produce floating fire hazard. Sensitive to static discharge.
Extinguishing Media: Dry chemical, foam or carbon dioxide
Fire Fighting Instructions: Water may be ineffective. Water spray may be used to keep fire exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Spill: Ventilate area. Remove all sources of ignition. Wear protective gear. Collect liquid in an appropriate container or absorb with an inert material such as vermiculite, dry sand, or earth; DO NOT use combustible materials, and place in a chemical waste container. Do not flush to sewer.

7. HANDLING and STORAGE

Handling: Protect against physical damage. Store in a cool, dry well-ventilated location, away from areas where fire hazard or ignition sources may exist. Store and use in NO SMOKING area. Empty containers may contain residue liquid and vapors. Use non-sparking tools. Ground containers when transferring product.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION

Eye Protection: Chemical splash goggles, safety glasses are advised. Skin Protection: Wear resistant gloves, impervious clothing and boots are suggested as well.
Ventilation System: A system of local or general exhaust is recommended to keep employee exposure below the airborne exposure limits. (NIOSH approved) organic vapor/particulate respirator is required if exposure limit is exceeded. Nuisance dusts limits ACGIH TLV 10 mg/m3 total dust, OSHA PEL 15 mg/m3 total dust, 5 mg/m3 respirable fraction.
Personal Respirators:

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9. PHYSICAL PROPERTIES

Initial Boiling Point:	<0.0 °F (propellants)
Appearance:	White liquid suspension.
Percent Volatiles:	80 %
Solubility in Water:	NIL
Evaporation Rate:	Faster than Ether (propellants)

10. STABILITY and REACTIVITY

Stability:	Stable under ordinary conditions of use and storage. Avoid heat, flames, and ignition sources
Hazardous Polymerization:	Will not occur.
Incompatibilities:	None known

11. TOXICOLOGICAL INFORMATION

IARC:	Suspected carcinogenic compound
NTP:	Listed Ingredient- Acetone CAS# 67-64-1

12. ECOLOGICAL INFORMATION

The LC50/96-hour values for fish are over 100mg/L

13. DISPOSAL CONSIDERATION

Dispose of container and unused contents with a licensed waste facility. Empty containers may contain flammable residue and vapors.

14. TRANSPORTATION

DOT Information- 49CFR172.101

Shipping name:	Bulk Acetone
Label:	Flammable liquid
Hazard class:	3
Identification #:	UN1090
Packing Group:	II

Aerosol

Consumer commodity
ORM-D
ORM-D
none
none

IATA

Shipping name:	Bulk Acetone
Label:	Flammable liquid
Hazard class:	3
Identification #:	UN1090
Packing Group:	II

Aerosol

Aerosols, flammable
Flammable gas
2.1
UN1950
NA

15. REGULATORY INFORMATION

TSCA:	Listed
CERCLA RQ- 49CFR302.4(a):	Acetone CAS# 67-64-1, reportable quantity 5000 lbs.
SARA 302 Components-40CFR355 appendix A:	None
Section 311/312 Hazard Class-40CFR370.2:	Immediate (X), Delayed (X), Fire (X), Reactive (), Sudden release of pressure (X).

Aerosol products are subject to SARA Title III Section 312 reporting for superfund amendments & re-authorization act 1986 CFR40 part 372

16. OTHER INFORMATION

Revision Number and Date: 1.01; 1st April 2006
Supercedes: 1st April 2004
Prepared by: N.D.Chakraborty Sr. Analyst