

MATERIAL SAFETY DATA SHEET

Quick Identifier (In Plant Common Name) **IVE-S IVORY T/U**

MANUFACTURER'S NAME.....ORB Industries, Inc.  
 ADDRESS.....P. O. Box 1067, Brookhaven, PA 19015-0067  
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 DATE PREPARED.....4/18/94

SECTION 1 - IDENTITY

COMMON NAME (used on label).....IVE-S IVORY AEROSOL TOUCH-UP PAINT  
 (Trade Name & Synonyms).....See Section 2  
 CAS. NUMBER.....Acrylic Enamel Aerosol Touch-Up Paint  
 CHEMICAL NAME.....Organic Coating  
 CHEMICAL FAMILY.....ORB X-24156  
 FORMULA.....

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s)

COMMON NAME(S)	CAS. #	T/V	VAPOR PRESSURE @ 20°C	LVL	DEL	FLASH POINT DEG. F
Acetone	67-64-1	100ppm	185 mmHg	2.6	12.8	-4(TCC)
Ethyl Acetate	123-86-4	150ppm	10 mmHg	1.7	9.8	81(TCC)
Methyl Ethyl Ketone	78-93-3	200ppm	75 mmHg	1.3	11.5	23(TCC)
Methyl Naphtha	64742-89-8	100ppm	45 mmHg	1.8	5.0	52(TCC)
Mineral Spirits	64742-88-7	100ppm	5 mmHg	0.7	6.0	108(TCC)
Aromatic Hydrocarbons	64742-95-6	50ppm	5 mmHg	Unknown	Unknown	Unknown
Propane/Isobutane (Propellant)	68-476-85-7	F	3691 mmHg	2.0	10.0	-138(TCC)
Toluene	108-88-3	100ppm	38 mmHg	1.8	10.0	45(TCC)
Xylene	1330-20-7	100ppm	9.5 mmHg	1.0	7.0	80(TCC)
Titanium Dioxide	13463-67-7	10mg/m <sup>3</sup>	None	Unknown	Unknown	Unknown

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

BOILING POINT (Deg. F).....Concentrate Range: 132 - 426  
 Propellant: -16.4  
 SPECIFIC GRAVITY (Water = 1).....Concentrate: 0.87  
 Propellant: .54  
 VAPOR PRESSURE (mmHg).....See Section 2  
 PERCENT VOLATILE BY WEIGHT (Z).....Approximately 83%  
 VAPOR DENSITY (Air = 1).....1  
 EVAPORATION RATE (BA = 1).....1  
 SOLUBILITY IN WATER.....Slight

ACTIVITY IN WATER.....None  
 APPEARANCE AND ODR.....CONCENTRATE: Liquid with characteristic odor;  
 Propellant: Clear, odorless gas; FINISHED PACKAGE:  
 Pressurized containers  
 See Section 2  
 FLASH POINT.....See Section 2  
 FLAMMABLE LIMITS IN AIR.....Carbon Dioxide, Foam, Dry Chemical  
 EXTINGUISHER MEDIA.....Unknown  
 AUTO-IGNITION TEMPERATURE.....Water may be used to cool closed containers to  
 prevent pressure build-up and possible bursting  
 SPECIAL FIRE FIGHTING PROCEDURES.....Firemen should  
 wear self-contained respiratory protection.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS.....Extremely flammable. Contents under pressure.  
 Do not store near heat or ignition sources. Containers  
 may burst at temperatures above 130°F.

SECTION 4 - PHYSICAL HAZARDS

STABILITY.....Stable  
 CONDITIONS TO AVOID.....Avoid any ignition sources. Avoid excessive heat.  
 INCOMPATIBILITY (Materials to Avoid).....Nitric plus Acetic Acids, Nitric plus Sulfuric  
 Acid, Amines, Strong Oxidizing Agents.  
 HAZARDOUS DECOMPOSITION PRODUCTS.....Carbon Monoxide, Carbon Dioxide.  
 HAZARDOUS POLYMERIZATION.....Will not occur. Conditions to avoid: Not applicable.

SECTION 5 - HEALTH HAZARDS

THRESHOLD LIMIT VALUE.....See Section 2  
 SIGNS AND SYMPTOMS OF EXPOSURE.....EYE CONTACT: May cause moderate eye irritation  
 and moderate corneal injury. Vapors may irritate  
 eyes; SKIN CONTACT: Prolonged contact may cause  
 irritation, defatting of skin; INHALATION: May  
 cause nose and throat irritation. May cause nervous  
 system depression characterized by the following  
 progressive steps: Headache, dizziness, nausea,  
 staggering gait, confusion, unconsciousness. Laboratory  
 studies with rats have shown that petroleum distillate  
 cause kidney damage and kidney or liver tumors.  
 These effects were not seen in similar studies  
 with guinea pigs, dogs, or monkeys. Several studies  
 evaluating petroleum workers have not shown significant  
 increases of kidney damage nor kidney or liver  
 tumors. Extremely high concentrations of butyl  
 acetate have caused blood changes and weakness  
 in laboratory animals. Very high concentrations  
 of Methyl Ethyl Ketone have caused embryotoxic  
 effects in laboratory animals. Reports have associated  
 repeated and prolonged overexposure to solvents  
 with permanent brain and nervous system damage;



**INGESTION:** If aspirated (liquid enters the lungs), it may be rapidly absorbed through the lungs and result in injury to other body systems. Gastro-intestinal distress.

**CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:** NATIONAL TOXICOLOGY PROGRAM: No  
 I.A.R.C. MONOGRAPHS: No  
 OSHA: No  
**OSHA PERMISSIBLE EXPOSURE LIMIT:** See Section 2  
**ACOH THRESHOLD LIMIT VALUE:** See Section 2  
**OTHER EXPOSURE LIMIT USED:** None

**EMERGENCY AND FIRST AID PROCEDURES**

1. **INHALATION:** Remove to fresh air. If not breathing, give mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
2. **EYES:** Flush with flowing water immediately and continuously for 15 minutes. Consult medical personnel.
3. **SKIN:** Wash off in flowing water or shower. Remove contaminated clothing and wash before reuse. If irritation persists, call a physician.
4. **INGESTION:** Do not induce vomiting. Call a physician immediately.

**SECTION 6 - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** NIOSH or Bureau of Mines approved organic vapor-type respirator is required in absence of proper environmental control.  
**LOCAL EXHAUST:** To keep below TLV.  
**MECHANICAL (General):** To keep below TLV.  
**SPECIAL:** None  
**OTHER:** None

**PROTECTIVE GLOVES:** Solvent resistant gloves—impermeable gloves  
**EYE PROTECTION:** Safety glasses or goggles  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None reasonably foreseeable.

**SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Do not store above 120°F. Avoid breathing vapors. Vapors are heavier than air and will collect in low areas. Avoid prolonged or repeated contact with skin.  
**OTHER PRECAUTIONS:** Contents under pressure. Do not puncture or incinerate. Extremely flammable.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

**SECTION 8 - PERCENTAGE OF HAZARDOUS INGREDIENTS**

**WASTE DISPOSAL METHODS:** SMALL SPILLS: Remove ignition sources. Kop up, wipe up, or soak up immediately. Use proper protective equipment. LARGE SPILLS: Evacuate area. Remove ignition sources. Contain liquid; transfer to closed containers; keep out of water supplies. Dispose in accordance with Federal, State, and local regulations. Do not incinerate closed or empty containers.

CHEMICAL AND COMMON NAME(S)	CAS #	% WT.	SUBJECT TO SECTION 313 OF SARA TITLE III
Acetone	67-64-1	25 - 30	Yes
Buryl Acetate	123-86-4	4 - 6	No
Methyl Ethyl Ketone	78-93-3	2 - 3	Yes
Wet Asphalt	64742-89-8	2 - 3	No
Mineral Spirits	64742-88-7	2 - 3	No
Aromatic Hydrocarbons	64742-95-6	1	No
Propane/Isobutane (Propellant)	68-476-85-7	25	No
Toluene	108-88-3	4 - 5	Yes
Xylene	1330-20-7	4 - 5	Yes
Titanium Dioxide	13463-67-7	<10	No

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