



## MATERIAL SAFETY DATA SHEET

### ORB156SC

#### 1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**PRODUCT NAME:** ORB156SC

**SUPPLIER:** Orbijet, Inc.  
15200 Middlebrook Drive: Suite E  
Houston, Texas 77058

**TEL:** 281.218.9400  
**FAX:** 713.513.5884  
**EMAIL:** info@orbijet.com

#### 2 COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME	CONTENTS	SYMBOL	RISK No. (R No.)
ANIONIC SURFACTANTS	30 - 80 %	Xi	36/38, 41
NONIONIC SURFACTANT	20 - 70 %	Xi	38, 41

The full text for all R-phrases are shown in section 16.

#### 3 HAZARDS IDENTIFICATION

Irritating to eyes and skin.  
Risk of serious damage to eyes.  
May degrease the skin.

#### 4 FIRST AID MEASURES

**INHALATION:** Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

**INGESTION:** DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Drink plenty of water or milk. Provide rest, warmth and fresh air. Get medical attention immediately!

**SKIN:** Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention promptly if symptoms occur after washing.

**EYES:** Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

## 5 FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use: Water spray, foam, dry powder, or Carbon Dioxide (CO<sub>2</sub>).

### **SPECIAL FIRE FIGHTING PROCEDURES:**

Keep run-off water out of sewers and water sources. Dike for water control.

### **HAZARDOUS DECOMPOSITION PRODUCTS:**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Sulphurous gases (SO<sub>x</sub>).

**PROTECTIVE MEASURES IN FIRE:** Wear self-contained breathing apparatus and full protective clothing to prevent any contact with skin and eyes.

## 6 ACCIDENTAL RELEASE MEASURES

**SPILL CLEANUP METHODS:** Wear necessary protective equipment. Stop leak if possible without risk. DO NOT touch spilled material! Runoff or release to sewer, waterway or ground is forbidden. Absorb in vermiculite, dry sand or earth and place into containers. Flush clean with lots of water. Be aware of potential for surfaces to become slippery. Do not let washing down water contaminate ponds or waterways. Wash thoroughly after dealing with a spillage.

## 7 HANDLING AND STORAGE

**USAGE PRECAUTIONS:** Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Keep container tightly closed.

**STORAGE PRECAUTIONS:** Keep in cool, dry, ventilated storage and closed containers.

## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

### **PROTECTIVE EQUIPMENT:**

**VENTILATION:** Well ventilated area.

**RESPIRATORS:** No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

**PROTECTIVE GLOVES:** Use protective gloves made of: Impermeable material. Confirmation of materials/advice should be sought from glove suppliers.

**EYE PROTECTION:** Use approved safety goggles or face shield.

**OTHER PROTECTION:** Wear appropriate clothing to prevent any possibility of skin contact.

**HYGIENIC WORK ROUTINES:** DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. No eating or drinking while working with this material.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Liquid. Clear.
COLOUR	: Colorless / Pink.
ODOUR/TASTE	: Mild. Characteristic.
SOLUBILITY DESCRIPTION	: Soluble in most organic solvents in all proportions.
SOLUBILITY VALUE (g/100g H <sub>2</sub> O/20°C)	: Soluble in water in all proportions
SPECIFIC GRAVITY (Water=1)	: 0.95 - 1.1 @ 20 °C
pH-VALUE, CONC	: 5 - 8
FLASH POINT	: >77°C

## 10 STABILITY AND REACTIVITY

### STABILITY:

Normally stable.

### CONDITIONS TO AVOID:

Avoid contact with strong oxidizers and strong reducing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>), Sulphurous gases (SO<sub>x</sub>).

## 11 TOXICOLOGICAL INFORMATION

**INHALATION:** High concentration of vapors may cause irritation.

**INGESTION:** May cause discomfort if swallowed.

**SKIN:** Irritating to skin. May degrease the skin.

**EYES:** Risk of serious damage to eyes.

## 12 ECOLOGICAL INFORMATION

**ENVIRONMENTAL HAZARDS:** Product is readily biodegradable.

## 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS:** Do not allow runoff to sewer, waterway or ground. Dispose of in accordance with Local Authority requirements.

## 14 TRANSPORT INFORMATION

ROAD:	Not Required
HAZARD CLASS (ADR):	Not Required
RAIL:	Not Required
SEA:	Not Required
AIR:	Not Required

Not classified for transportation.

## 15 REGULATORY INFORMATION

**LABEL FOR SUPPLY:** Xi, IRRITANT

**RISK PHRASES:** R-36/38 Irritating to eyes and skin.  
R-41 Risk of serious damage to eyes.

**SAFETY PHRASES:** S-24/25 Avoid contact with skin and eyes.  
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S-37/39 Wear suitable gloves and eye/face protection.

### **STATUTORY INSTRUMENTS:**

Control of Substances Hazardous to Health.  
Chemicals (Hazard Information and Packaging) Regulations.

### **GUIDANCE NOTES:**

CHIP for everyone HSG(108).  
Occupational Exposure Limits EH40.

## 16 OTHER INFORMATION

**REVISION DATE:** 1-2006

**REVISION No. /REPLACES SDS ISSUED:** Second Issue.

**R-PHRASES (Full Text):** R-36 Irritating to eyes.  
R-38 Irritating to skin.  
R-41 Risk of serious damage to eyes.