

Purple Pansy  
1661 8 L AGN

SECTION I - IDENTIFICATION OF PRODUCT

supplier's name	R.	emergency telephone
Mason Color Works, Inc.		216-385-4400
address	250 E. 2nd Street, P.O. Box 76, East Liverpool, Ohio 43920	
date this form prepared	Responsible for preparation	Chemical Family
April 1991	Ronald K. Mason	Inorganic Pigment
Trade Name & Synonyms	CAS Number	
Pansy Purple 6385 (85)	68187-12-2* 68187-40-6*	R. J. RU
Chemical Name & Synonyms	Basic Chemical Formula	NOV 18
Cr Sn Co Purple	CaO, SnO.SiO <sub>2</sub> :Cr <sub>2</sub> O <sub>3</sub> + Co <sub>2</sub> SiO <sub>4</sub>	

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	% Wt.	ACGIH-TWA	OSHA-PEL
TIN OXIDE CAS # 18282-10-5	40%-45%	2 mg/m <sup>3</sup> as Sn	2 mg/m <sup>3</sup> as Sn
CALCIUM OXIDE CAS # 1305-78-8	15%-20%	2 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
SILICA, CRYSTALLINE (QUARTZ) CAS # 14808-60-7	25%-30%	0.1 mg/m <sup>3</sup> as dust	0.1 mg/m <sup>3</sup> as dust
CHROME OXIDE CAS # 1308-38-9	less than 5%	0.5 mg/m <sup>3</sup> as Cr	0.5 mg/m <sup>3</sup> as Cr
BORON OXIDE CAS # 1303-86-2	less than 5%	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> respirator fraction
FLUORIDE CAS # 7789-75-5	less than 5%	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>
COBALT OXIDE CAS # 1308-06-1	less than 5%	0.05 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>

\* Contains modifiers

### SECTION III - SYMPTOMS OF OVEREXPOSURE

**Silica** - Undue breathlessness, wheezing, cough, and sputum production. Long term exposure to dust can cause silicosis which is characterized by shortness of breath. Crystalline Silica is listed by the International Agency for Research on Cancer (IARC) as 2A: sufficient evidence in laboratory animals and limited evidence of carcinogenicity in humans. Conclusions were based on long-term exposure to crystalline silica in the stone cutting industry. Studies are in progress to evaluate low-level and sporadic exposure to crystalline silica.

**Aluminum** - Repeated prolonged exposure to trivalent compounds may cause delayed effects involving the respiratory system. Causes skin and eye irritation.

**Cobalt** - Prolonged inhalation of cobalt dust or metal dust, fume or mist containing cobalt may cause serious respiratory illness. Inhalation may cause an irritation of respiratory organs of sensitive persons resulting in obstruction of airways with shortness of breath. May cause serious eye irritation. Prolonged exposure to skin may produce irritation.

**Chromium** - According to OSHA CFR Part 1910-1200 (Hazard Communications) crystalline silica and Chromium compounds are deemed to be a possible cancer hazard. This is based on assessment by the NTP (National Toxicology Program) that they reasonably be anticipated to be a carcinogen and an assessment of IARC (International Agency of Research on Cancer) which concluded that the evidence of carcinogenicity to humans was sufficient. However, there have been no studies demonstrating an excess cancer risks in workers exposed to chromite oxide in their use.

**Cobalt Oxide** - Chronic pulmonary disease has been reported in workers in the cemented carbide industry where cobalt is used. This effect has not been reported to workers using cobalt oxide.

**Tin** - No information found on acute overexposure. Chronic exposure to Tin Oxide fumes of dust result in Stannosis, a form of Pneumoconiosis.

**Barium** - No acute effects. Long term overexposure to high concentrations of this dust without the use of a dust mask may produce X-ray evidence of dust in lungs. If continued, may affect respiratory function in some individuals.

**Iron** - Nausea, vomiting, diarrhea. Slight irritation to eyes. No irritation to skin. Inhalation - sneezing and coughing.

**Fluorspar** - Irritation to eyes, skin or respiratory.

SECTION IV - HEALTH HAZARD DATA

occupational exposure limits

See Section II

effect of overexposure

- EYE - May cause irritation.
- SKIN - Skin contact may cause irritation - allergic skin rash.
- INHALATION- Inhalation causes irritation of the respiratory tract and may cause disabling, progressive pulmonary fibrosis due to the free QUARTZ SILICA.
- INGESTION - Toxic, may cause excessive coughing, intestinal disorders.

EMERGENCY AND FIRST AID PROCEDURES

- EYE - Flush thoroughly with potable water for 15 minutes. Consult physician.
- SKIN - Remove contaminated clothing, wash thoroughly with soap & water. Consult physician.
- INHALATION- Remove to fresh air. May give oxygen. Consult physician.
- INGESTION - Induce vomiting if conscious. Consult physician.

SECTION V - SPECIAL PROTECTION INFORMATION

respiratory protection (specific type)- Use NIOSH approved respiratory protection where airborne level exceeds appropriate Occupational Exposure Limit.

ventilation	local exhaust	special
	X	N/A
	mechanical (general)	other
	X	adequate to maintain below exposure limit

personal protective equipment - Wear appropriate gloves & goggles to avoid skin and eye contact. Safety showers and eye stations must be present in work area.

SECTION VI - SPECIAL PRECAUTIONS

precautions to be taken in handling & storing - Keep container closed. Protect physical damage. Avoid contact with eyes, skin & clothing.

other precautions - Avoid breathing and use only with adequate ventilation. Wash thoroughly after handling. No food or beverage should be consumed in work area.

SECTION VII - PHYSICAL DATA

boiling point (F°)	appearance & odor	specific gravity (water=1)	% volatile by volume
N/A	Purple powder - odorless	N/A	None
solubility in water	vapor pressure (mm Hg)	vapor density (air=1)	evaporation rate
Trace	N/A	N/A	None

SECTION VIII - REACTIVITY DATA

STABILITY	unstable	conditions to avoid	hazardous polymerization	may occur	conditions to avoid
	stable			will not occur	
incompatibility (materials to avoid)		N/A		X	N/A

N/A

hazard decomposition products

N/A

## SECTION IX - FIRE AND EXPLOSIVE DATA

flash point (method used)	flammable limits	LEL	UEL
Non-Flammable		N/A	
extinguishing media	Carbon dioxide, dry chemical or water spray		
special fire fighting procedures	Not a fire hazard. Wear self-contained breathing apparatus when large quantities are involved.		
unusual fire & explosion hazard	None expected.		

## SECTION X - SPILL OR LEAK PROCEDURES

steps to be taken in case material is released or spilled	Contain spill. Pick up the spill in an appropriate container for disposal
waste disposal method	Dispose in accordance with Federal, State and Local Laws.

## MATERIAL OR COMPONENT

This product is a mixture of various metal oxides, salts and some compounds, considered to be a nuisance dust, are interfused to form the final product which does not represent individual components.

This product contains the compounds Silica, Chrome and Cobalt. These toxic chemicals are subject to the reporting requirements of Superfund Amendment and Reauthorization Act (SARA) of 1986, Section 313 of the Emergency Planning and Community Right to Know Act and of 40 CFR, Part 372.

This Material Safety Data Sheet should be made available by the buyer to each of buyer's plant workers.

The buyer assumes all risk in connection with the use and handling of the material. The seller assumes no responsibility or liability in connection with the information supplied in this sheet or for any damage or injury caused by the material; reasonable safety procedures should be followed. The seller assumes no responsibility for injury or damage caused by use of the material even if reasonable safety procedures are followed. The information contained in this sheet is developed from what is believed to be accurate and reliable sources but the seller makes no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.