

Guangdong GuangSo Plastic Co., Ltd.

MATERIAL SAFETY DATA SHEET [MSDS]

1. Product and company data

Product name: Pure transparency PVC GRAIN
Product serial number: PVC-NT-95A Pure transparent 003
Company name: Guangdong GuangSo Plastic Co., Ltd.
Tel: 86-769-23068112 Fax: 86-769-23069112
Factory address: Meilin, Dalingshan Town, Dongguan City, Guangdong, China

2. Ingredient and composition

Material		Weight of Component (%)
Chemical Name in English	CAS NO.	
PVC Resin	9002-86-2	71.3
Plasticizer: DOTP	6442-86-2	25.6
Stabilizer: Ca-Zn	00557-05-1	2.5
Lubricant: PE WAX	9002-88-4	0.6

3. Health information

Important information	Health effect: Have no special risk, and unless heating, otherwise don't cause the damage.
	Environment influence: Can't decompose by living creature in the nature environment.
	Physical and chemical damage: Solid state, not easily to burn, but can let out the HCl air under burning.
	Special damage: no
Main condition of illness: Dizziness, spirit is confusedly.	
Product damage classification: no	

4. Emergency treatment and first aid procedures

First aid treatment of the different path:
Inhalation: Should move to the fresh air, necessary to use the remedial machine and medicine to treat, take a rest, and go to the hospital for treatment.
Skin contact: Use the soap water and clear water cleaning revelation and take off the pollution's clothes.
Eye contact: flush eyes with water 15 minutes at least.
Personnel's protection: Should wear the "C" class protection equipage to safety health in the process of the emergency treatment.
Eye: Safety glasses of chemistry. Atman: Organic filter. Hand: Neoprene gloves.
Note for doctor: Inhale the HCl air, treat as for oxygen.

5. Fire hazard

The measure to extinguish fire: Choose Foam, water fog, CO ₂ , dry powder to use to extinguish fire.
While extinguishing fire, the special damage possibly happen: The HCl, CO, CO ₂ can make the person poisoned even death.
Special procedure to extinguish fire: Use water fog cool the container, engineering and equipment in the flames. Extinguish the fire must dress protective clothing and use professional equipment.
Special protective equipments of fire fighter: Fire fighter must wear the whole-body-type chemistry protection dress and use professional equipment. In addition anti-fire aluminum coat.

6. Explosion hazard

Individual note: Don't throw the PVC waste.
Environment announcements: Related section of the environmental protection department.
Environment protection: Shovel and sweep up or use industrial vacuum cleaner to re-use.

7. Safety store method

Transportation: 1. Should as well keep the closeness; 2. Avoid packing bag to suffer to bump.
Storage: 1. Store on cool, dry, well ventilated district, avoid the direct irradiation of sunlight.
2. To keep off the fire. 3. Store in the adequacy, and having the label's packing bag.
4. The storage area should have the equipment to extinguish fire.

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8. Employee protection

Engineering control: Possibly avoid to suffer the strong light and hot influence.

Personal protection equipments:

Eye: Safety glasses of chemistry. Atman: Organic filter. Hand: Neoprene gloves.

Hygeian measure:

1. Quickly take off pollution's clothes after the work, after clearly can just wear again or away, and need to tell to do laundry the person the pollutant's damage.
2. Work place forbid to smoke or food.
3. After handle this thing, need to wash hand thoroughly.
4. Maintain the work place clean.

9. Physical and chemical data

Material appearance: Solid	Shape: Grain
Color: transparency	Smell: Tasteless
PH value: About 7.0	Boiling point: 270.0-280.0°C
Resolve temperature: >200°C	Fire point: ca. 200°C Test method: DIN EN 22719
Nature temperature: 400°C	Explode boundary: Do not explode under the standard term
Vapour presses: <0.01hPa (at 20°C)	Vapour density: 9.98 (air=1)
Density: <1.3g/cm ³ (at 20°C)	Resolaent degree: 0.46% (at 20°C)

10. Stability and reactivity

Stability: stable in the normal condition.

Special precaution: Avoid to contact heat and fire (>280°C). Resolve under 280°C, do not bring the danger respond and material.

Should avoid fire and acid.

Resoluble material from PVC: HCl, CO, VCM, CO₂, NO₂.

11. Toxicity data

Acute toxicity:

1. Stimulate the eye, skin and atman way.
2. The heating fog and the drop may stimulate the throat.
3. LD50 (Try the animal absorption): 10,000mg/kg (big rat, swallow the food)

Partial reaction: no

Sensitivity: no

Slow toxicity or long-term toxicity: have no proof to have the poison.

Special effect: no

12. Environmental data

Ecosystem affects:

Can't decomposit in the nature environment by living creature.

Abandon treatment method:

Can consider of hygeian burying method to handle or recycle to reuse.

13. Deliver data

International carrying provision: no the dangerous classification

United Nations coding: no

Local deliver provision: no the dangerous classification

Special carrying method and announcements: no

14. Other information

Reference literature	UPC company provide material safety data sheet
Lister unit	Guangdong GuangSo Plastic Co., Ltd.
	Meilin, Dalingshan Town, Dongguan City, Guangdong, China