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1570 NORTH OLDEN AVENUE
EWING, N.J. 08638-3204
609-695-6211/800-257-9365

SAFETY DATA SHEETS

According to the Hazard Communication Standard (29 CFR 1910.1200)

SECTION 1: Identification

1.1 Product identifier

Product name:	Pigment Orange 36
Product Code:	Sinfast Orange 1158-001

1.2 Recommended use of the chemical and restrictions on use

Identified uses:	Used for automotive paint. Used for packaging printing inks. Used for PVC and other unsaturated polyester.
Uses advised against:	no data available

1.3 Product supplier

Name:	Sincol Corporation Limited
Address:	C-12A Songdu Mansion, 303 Middle Jiangdong Road, Nanjing 210019, China
Tel:	+86-25-87763060

1.4 Emergency phone number

Emergency telephone number:	(909) 931-9954
Service time:	Monday to Friday, 7am-6pm (Pacific time zone: UTC/GMT -8 hours).

SECTION 2: Hazard(s) identification

2.1 GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Pictogram:	None.
Signal word:	Warning
Hazard statement(s):	May form combustible dust concentration in air.
Precautionary statement(s):	Keep away from all ignition sources including heat, sparks and flame.
	Keep vessels closed and grounded.
	Prevent dust accumulations to minimize explosion hazard.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

OSHA 1910.1200 2012. Hazardous Combustible Dust

Not considered to be flammable. However, dusty conditions increase the risk of a dust explosion hazard. Appropriate precautions should be taken including a properly grounded dust collection system.

SECTION 3: Composition/Information on ingredients

3.1 Substances

Chemical name:	2-[(4-chloro-2-nitrophenyl)azo]-N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)-3-oxobutyramide
Common name:	Pigment Orange 36

CAS No.	12236-62-3
EC No.	235-462-4

No ingredients are hazardous according to OSHA criteria.

All intentionally added ingredients are either listed on TSCA or are exempt from listing.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

In case of skin contact

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

In case of eye contact

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

If swallowed

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways).

4.3 Indication of immediate medical attention and special treatment needed

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Avoid whirling up the material/product, producing a dust cloud, in the presence of an ignition source due to the potential of a dust explosion

5.3 Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus with full protective equipment. Water from fog nozzles may be used to cool. Closed containers to prevent build up.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Nonsparking tools should be used.

Use personal protective clothing.

6.2 Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

6.3 Methods and materials for containment and cleaning up

Take up mechanically. Avoid dust formation and electrical charging (sparking) because dust explosion might occur. When picked up, product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and dry; store in a cool place.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Appropriate engineering controls

Observe the usual precautions for handling chemicals.

Provide local exhaust ventilation to control dust. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen- deficient environment.

8.3 Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses with side-shields (frame goggles) (e.g. EN 166).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Wear dust mask when handling large quantities.

SECTION 9: Physical and chemical properties

Appearance:	orange powder
Odor:	Odorless
Odor threshold:	no data available
pH:	6 (10% slurry)

Melting point/freezing point:	Start to decompose at 330 ℃.
Initial boiling point and boiling range:	544.1 ℃ at 760 mmHg
Flash point:	282.8 ℃
Evaporation rate:	no data available
Flammability (solid, gas):	non flammable
Upper/lower flammability or explosive limits:	Lower: 0.7%. Upper: 23%.
Vapor pressure:	6.75E-12mmHg at 25 ℃
Vapor density:	no data available
Relative density:	1.66 g/cm3
Solubility(ies) :	Insoluble in water
Partition coefficient n-octanol/water:	no data available
Auto-ignition temperature:	>= 310 ℃ at ca. 1013 hPa
Decomposition temperature:	330 ℃
Viscosity:	no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

When handled and stored appropriately no dangerous reactions are known.

10.2 Chemical stability

Stable in organic solvents. Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions

The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

10.4 Conditions to avoid

Heat, sparks & flame.

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

Chlorine compounds, nitrogen oxides, CO, CO2.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Oral：	LD50 - rat(female) - > 15000 mg/kg
Inhalation:	LC50 - rat(male/female) - > 1274 mg/m ³air (analytical)
Dermal:	no data available
Other information on acute toxicity:	no data available

Skin corrosion/irritation: no data available

Serious eye damage/irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available
STOT-single exposure: no data available
STOT-repeated exposure: no data available
Aspiration hazard: no data available

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish:	no data available
Toxicity to daphnia and other aquatic invertebrates:	no data available
Toxicity to algae:	no data available
Toxicity to microorganisms:	no data available

12.2 Persistence and degradability
no data available

12.3 Bioaccumulative potential
no data available

12.4 Mobility in soil
no data available

12.5 Other adverse effects
no data available

SECTION 13: Disposal considerations

Product
Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities.

Contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory

Listed or exempt.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 21 CFR 1310.04(f)(2))

Not listed.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA (Superfund) reportable quantity

None.

SARA Title III (EPCRA) 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III (EPCRA) 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

SARA Title III (EPCRA) 311/312 Hazards

No SARA Title III (EPCRA) Hazards.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian CEPA

All ingredients are listed on the DSL.

US State Regulations

- New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL) Not listed.
- Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL) Not listed.
- Pennsylvania RTK - HAZARDOUS SUBSTANCE LIST Not listed.

SECTION 16: Other information, including date of preparation of the last revision.

16.1 Version

This edition Safety Data Sheets (hereinafter referred to as SDS) is authored on Nov.15, 2014 according as to:

- The revised Hazard Communication Standard (29 CFR 1910.1200)
- GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), third revised edition.
- NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids.

16.2 Full text of H-Statements referred to under sections 2 and 3.

Aquatic Chronic	Chronic aquatic toxicity
Carc.	Carcinogenicity
Muta.	Germ cell mutagenicity
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H413	May cause long lasting harmful effects to aquatic life.

16.3 Training Advice

Provide sufficient information, guidance and training to operating personnel.

16.4 Statement of responsibility

This SDS is authorized by “E-chem Consulting Co., Ltd.”. The information contained herein is based on the present state of our knowledge. It does not represent a guarantee of any properties of the product. You can contact E-chem Consulting Co., Ltd. via email: sds@e-chem123.com.

The information provided in this SDS characterizes the product with regard to the appropriate safety precautions. But the users shall look for more comprehensive information for the specific use. For any harm or influence caused by the operation or contact with the product, the compiler and supplier of this SDS take no legal responsibility.