

Safety Data Sheet in accordance with Regulation (EU)**No.453/2010****Novoperm Orange H5G 70**

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Substance key: SXR002844
Version : 5 - 2 / EURevision Date: 25.11.2010
Date of printing : 05.09.2011**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Trade name****Novoperm Orange H5G 70****Material number:** 105064**1.2. Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Industry sector :	Industrial Performance Chemicals Paints, lacquers and varnishes industry Polymers industry Printing Inks Industry
Type of use :	Colorant/organic pigment

1.3. Details of the supplier of the safety data sheet**Identification of the company**

Clariant Produkte (Deutschland) GmbH

Brueningstr. 50
65929 Frankfurt am Main
Telephone no. : +49 6196 757 60**Information about the substance/mixture**Division Pigments & Additives
+49 6196 757 6152/ 6120
e-mail: PA.PSAZO@clariant.com**1.4. Emergency telephone number**

00800-5121 5121 (24 h)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****2.2. Label elements****Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)**

The product does not require classification and labelling as hazardous according to CLP/GHS.

2.3. Other hazardsAccording to the present state of knowledge provided this product is handled correctly, there is no danger to humans or the environment
Organic substances in powder form may have the potential to cause dust explosions.

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C.I. Pigment Orange 62

EC number: 258-221-5**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Seek medical assistance if discomfort continues

After inhalation

Remove the casualty into fresh air and keep him calm.

After contact with skin

In case of contact with skin, clean with soap and water.

After contact with eyes

Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.

After ingestion

If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

4.2. Most important symptoms and effects, both acute and delayed**Symptoms**

No symptoms known currently.

Hazards

No hazards known at this time.

4.3. Indication of any immediate medical attention and special treatment needed**Treatment**

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**water spray jet
foam**Extinguishing media that must not be used for safety reasons**Full water jet
carbon dioxide
dry powder

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5.2. Special hazards arising from the substance or mixture

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Special protective equipment for firefighting

Use self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment.

6.2. Environmental precautions

Do not allow entry to drains, water courses or soil

6.3. Methods and material for containment and cleaning up

Take up mechanically
Avoid dust formation and electrical charging (sparking) because dust explosion might occur.
When picked up, treat material as prescribed under heading "Disposal".

6.4. Reference to other sections

Additional information

Information regarding Safe handling, see chapter 7.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

When used and handled appropriately no special measures are needed
Avoid dust formation.

Advice on protection against fire and explosion

Take precautionary measures against electrostatic charges - earthing necessary during loading operations.
Keep away from sources of ignition
Dust can form an explosive mixture with air.

Dust explosion class : ST2 Capable of dust explosion

7.2. Conditions for safe storage, including any incompatibilities

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Further information on storage conditions

Keep container dry
Do not store at temperature exceeding 50 °C
Protect from heat

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Exposure limit values are not available.

DNEL/DMEL values

DNEL/DMEL values are not available.

PNEC values

PNEC values are not available.

8.2. Exposure controls

General protective measures

Observe the usual precautions for handling chemicals.

Hygiene measures

Wash hands before breaks and after work.
Use barrier skin cream.
Remove soiled or soaked clothing immediately and clean thoroughly before using again.

Respiratory protection : Wear dust mask when handling large quantities

Hand protection : Nitrile rubber gloves.
Minimum breakthrough time (glove): not determined
Minimum thickness (glove): not determined
Observe the information of the glove manufacturers on permeability and breakthrough times and other workplace requirements

Eye protection : safety glasses

Body protection : working clothes

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form : Powder

Particle size : 9,7 µm
Method : Laser diffraction with dispersion in dry air.

Colour : orange

Odour : not specified

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pH value :	6 - 8
Melting point (decomposition) :	Applies to pigments - No melting point up to the decomposition temperature.
Flash point :	Not applicable
Evaporation rate :	not tested.
Flammability	
Combustion number :	BZ3 Local combustion without spreading (20 °C)
Minimum ignition energy :	13 - 30 mJ with inductive electrical resistance
Vapour pressure :	Not applicable
Solubility in water :	0,02 mg/l (20 °C) The data refer to the colourant
Soluble in ... :	1-octanol not tested.
Octanol/water partition coefficient (log Pow) :	Not determined
Ignition temperature :	not tested.
Self-ignition temperature :	320 °C Method : VDI 2263 (Grewer)
Thermal decomposition :	> 350 °C (Heating rate : 3 K/min) Method : DTA Closed cup
Viscosity (dynamic) :	Not applicable
Oxidizing properties :	not tested.

9.2. Other information

Density :	1,52 g/cm ³
Impact sensitivity :	Not impact-sensitive

Further information

No incompatible substance known.

SECTION 10: Stability and reactivity

10.1. Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

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When handled and stored appropriately no dangerous reactions are known

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

not known

10.6. Hazardous decomposition products

When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity :	LD50 > 2.000 mg/kg
Acute dermal toxicity :	not tested.
Acute inhalation toxicity :	not tested.
Irritant effect on skin :	non-irritant (rabbit)
Irritant effect on eyes :	non-irritant (rabbit eye)
Sensitization :	non-sensitizing Method : OECD 429
Repeated dose toxicity:	not tested.
Genetic toxicity in vitro :	Test type : PRIVAL Modification of AMES Test For Azo Dyes Test system : Strains of Salmonella typhimurium. Concentration : 3 - 5000 Metabolic activation : with and without Result : Negative with and without metabolic activation Method : OECD 471
Assesment of mutagenicity :	not tested.
Assessment of carcinogenicity :	not tested.
Assessment of toxicity to reproduction :	not tested.

SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity :	not tested.
Daphnia toxicity :	not tested.
Algae toxicity :	not tested.

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Date of printing : 05.09.2011**Bacteria toxicity :** not tested.**12.2. Persistence and degradability****Biodegradability :** Pigments are highly stable in accordance with the specifications and therefore only slightly biodegradable in the conditions of sewage treatment plants or surface waters.**12.3. Bioaccumulative potential****Bioaccumulation:** not tested.**12.4. Mobility in soil****Behaviour in environmental compartments**

No known data.

12.5. Results of PBT and vPvB assessment**12.6. Other adverse effects****Additional ecotoxicological remarks**

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****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

Uncleaned packaging

Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14: Transport information**Section 14.1. to 14.5.**

ADR	not restricted
ADNR	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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No transport as bulk according IBC - Code.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Other regulations**

Apart from the data/regulations specified in this chapter, no further information is available concerning safety-, health- and environmental protection.

15.2. Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Decimal notation: "thousands" places are identified with a dot (for example, "2.000 mg/kg" means "two thousand mg/kg"). Decimal places are identified with a comma (for example, "1,35 g/cm³" means "one point three five g/cm³").

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