Material Safety Data Sheet

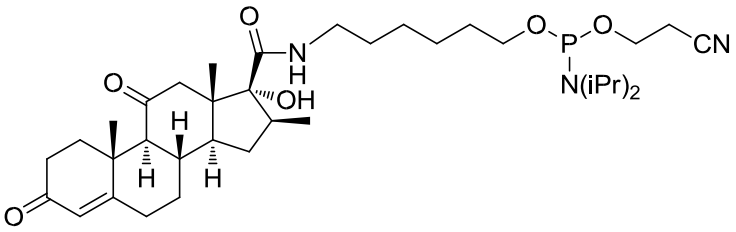
Version No.: 4(Rev. date : 2023-01-16)

Cortisone Phosphoramidite

1. Product and company identification

Product name : Corisone Phosphoramidite

Structural formula :



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2. Hazards identification

Classification of the substance or mixture

Not a dangerous substance or mixture according to Regulation (EC) No. 1272/2008 This substance is not classified as dangerous according to Directive 67/548/EEC.

Pictogram : N/A Label elements

This product does not need to be labelled in accordance with EC directives or respective national laws.

Caution : Substance not yet tested completely

Other hazards : N/A

3. Composition/information on ingredients

Synonyms : Cortisonyl-[(2-cyanoethyl)- (N,N-diisopropyl)]-phosphoramidite

CAS number : N/A

Molecular weight : 659.84g/mol

Formula : $C_{36}H_{58}N_3O_6P$

4. First aid measures

1

Description of first aid measures

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact : Wash off with soap and plenty of water. Consult a physician.

In case of eye contact : Flush eyes with water as a precaution. Consult a physician.

If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed.

To the best of our knowledge, the chemical, physical, and toxicological propertied have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed : N/A

5. Fire-fighting measures

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

In the event of fire : Carbon oxides, nitrogen oxides, phosphorus oxides.

Advice for fire fighters : Wear self contained breathing apparatus for firefighting if necessary.

Further information : N/A

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creation dust. Sweep up and shovel. Keep in suitable, closed containers for disposal

7. Handling and storage

Precautions for safe handling

Avoid all direct contact and wear protective clothing, respirator, goggles, gloves.

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature : below -10 °C

8. Exposure controls / personal protection

Control parameters : Components with workplace control parameters

Exposure controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/Face protection : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH(US) or EN 166(EU)

Skin protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. 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 : Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH(US) or CEN (EU).

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance : Powder

Color : White Odor :

N/A pH : N/A

Melting point/Freezing point : N/A

Boiling point : N/A

Flash point : N/A

Evaporation rate : N/A

Flammability(solid, gas) : N/A

Upper/Lower flammability or explosive limits : N/A

Vapor pressure/density : N/A

Relative density : N/A

Water solubility : non-soluble

Partition coefficient(n-octanol/water) : N/A

Autoignition temperature : N/A

Decomposition temperature : N/A

Viscosity : N/A

Explosive properties : N/A

Oxidizing properties : N/A

10. Stability and Reactivity

Chemical stability : Stable under recommended storage conditions.

Reactivity : N/A

Possibility of hazardous reactions : N/A
Conditions to avoid : N/A

Materials to avoid : Strong oxidizing agents, strong reducing agents, strong bases, strong acids Hazardous decomposition products : N/A

11. Toxicological information

Information on toxicological effects
- Acute toxicity : N/A
- Skin corrosion/irritation : N/A
- Serious eye damage/eye irritation : N/A
- Respiratory or skin sensitization : N/A
- Germ cell mutagenicity : N/A
- 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.
- Reproductive toxicity : N/A
- Specific target organ toxicity - single exposure : N/A
- Specific target organ toxicity - repeated exposure : N/A Aspiration hazard : N/A

Potential health effects
- Inhalation : May be harmful if inhaled. May cause respiratory tract irritation.
- Ingestion : May be harmful if swallowed.
- Skin : May be harmful if absorbed through skin. May cause skin irritation.
- Eyes : May cause eye irritation.

Signs and Symptoms of Exposure
- To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information
- RTECS : N/A

12. Ecological information

Toxicity : N/A
Persistence and degradability : N/A
Bioaccumulative potential : N/A
Mobility in soil : N/A
PBT and vPvB assessment : N/A Other adverse effects : N/A

13. Disposal considerations

Waste treatment methods
- Product : Offer surplus and non-recyclable solutions to d licensed disposal company. Observe all federal, state, and local environmental regulations.

Contaminated packaging : Dispose of as unused product.

14. Transport information

UN number : N/A

UN proper shipping name

Land transport(ADR/RID) : Not a dangerous substance as defined in the regulations

Air transport(ICAO/IATA) : Not a dangerous substance as defined in the regulations

Marine transport(IMDG/IMO) : Not a dangerous substance as defined in the regulations

Transport hazard class(es) : N/A

Packaging group : N/A

Environmental hazards : N/A

Special precautions for user : N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

Safety, health and environmental regulations/legislation specific for the substance or mixture : N/A

Chemical safety assessment : For this product a chemical safety assessment was not carried out

16. Other information

First preparation date : 2012-11-21

Revision number : 3

Revision date : 2023-01-16

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