Safety Data Sheet

1 Identification
Product identifier
Product name: 2'-Deoxyguanosine
CAS Number:
EC number:

Details of the supplier of the safety data sheet

Company: Conier Chem & Pharma Limited
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2 Hazard(s) identification
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)
The substance is not classified as hazardous according to 29 CFR 1910 (OSHA GHS).
Hazards not otherwise classified *No information known.*
Ward Hill, MA 01835-8099
Tel: +86-23-62922305 ***Label elements***
Fax: +86-23-62459727 ***GHS label elements*** *Not applicable*
Hazard pictograms *Not applicable*
Signal word *Not applicable*
Hazard statements *Not applicable*
WHMIS classification *Not controlled*
Classification system
HMIS ratings (scale 0-4)
(Hazardous Materials Identification System)
Email: info@conier.com
HEALTH
Health (acute effects) = 1
FIRE
Flammability = 1
REACTIVITY
www.conier.com
Information Department: *Health, Safety and Environmental Department*
Emergency telephone number:
Physical Hazard = 1
3 Composition/information on ingredients
During normal business hours (Monday-Friday, 8am-7pm EST), . After normal business hours, call .
Other hazards
Chemical characterization: Substances
Results of PBT and vPvB assessment
CAS# Description:
961-07-9 2'-Deoxyguanosine
Concentration: ♂ *100%*
Identification number(s):
EC number: *213-505-8*
4 First-aid measures
PBT: *Not applicable.*
Description of first aid measures
vPvB: *Not applicable.*
After inhalation
Supply fresh air. If required, provide artificial respiration. Keep patient warm.
Seek immediate medical advice.
After skin contact
Immediately wash with water and soap and rinse thoroughly.
Seek immediate medical advice.
After eye contact *Rinse opened eye for several minutes under running water. Then consult a doctor.*
After swallowing *Seek medical treatment.*
Information for doctor
Most important symptoms and effects, both acute and delayed *No further relevant information available.*
Indication of any immediate medical attention and special treatment needed *No further relevant information available.*

5 Fire-fighting measures
Extinguishing media
Suitable extinguishing agents *Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*
Special hazards arising from the substance or mixture
If this product is involved in a fire, the following can be released:
Carbon monoxide and carbon dioxide
6 Accidental release measures
Nitrogen oxides (NOx)
Advice for firefighters
Personal precautions, protective equipment and emergency procedures
Protective equipment:
Wear protective equipment. Keep unprotected persons away.
Wear self-contained respirator.
Ensure adequate ventilation
Wear fully protective impervious suit.
Environmental precautions: *Do not allow product to reach sewage system or any water course.*
Methods and material for containment and cleaning up: *Pick up mechanically.*
Version number 3
Product name: 2'-Deoxyguanosine
Prevention of secondary hazards: *No special measures required.*
Reference to other sections
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
7 Handling and storage
See Section 13 for disposal information.
Protective Action Criteria for Chemicals
Handling
PAC-1: *Substance is not listed.*
Precautions for safe handling
PAC-2: *Substance is not listed.*
Keep container tightly sealed.
PAC-3: *Substance is not listed.*
Store in cool, dry place in tightly closed containers.
Information about protection against explosions and fires: *No information known.*
Conditions for safe storage, including any incompatibilities
Storage
Requirements to be met by storerooms and receptacles: *No special requirements.*
8 Exposure controls/personal protection
Information about storage in one common storage facility: *Store away from oxidizing agents.*
Further information about storage conditions:
Additional information about design of technical systems:
Keep container tightly sealed.
Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.
Store in cool, dry conditions in well sealed containers.
Control parameters
Specific end use(s) *No further relevant information available.*
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information: *No data*
Exposure controls
Personal protective equipment
General protective and hygienic measures
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Remove all soiled and contaminated clothing immediately.
9 Physical and chemical properties
Information on basic physical and chemical properties
General Information
Wash hands before breaks and at the end of work.
pH-value: *Not applicable.*
Change in condition
Appearance:

Melting point/Melting range: *Not determined*
Maintain an ergonomically appropriate working environment. ***Form:*** *Crystalline powder*
Boiling point/Boiling range: *Not determined*
Breathing equipment: *Use suitable respirator when high concentrations are present.* ***Odor:*** *Not determined*
Sublimation temperature / start: *Not determined*
Recommended filter device for short term use: ***Odor threshold:*** *Not determined.*
Flammability (solid, gaseous) *Not determined.*
Use a respirator with type N95 (USA) or PE (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air-
Ignition temperature: *Not determined*
purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards.
Decomposition temperature: *Not determined*
Protection of hands:
Auto igniting: *Not determined.*
Impervious gloves
Danger of explosion: *Not determined.*
Check protective gloves prior to each use for their proper condition.
Explosion limits:
The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.
Lower: *Not determined*
Material of gloves *Nitrile rubber, NBR*
Upper: *Not determined*
Penetration time of glove material (in minutes) *480*
Vapor pressure: *Not applicable.*
Glove thickness *0.11 mm*
Density: *Not determined*
Eye protection: *Safety glasses*
Relative density *Not determined.*
Body protection: *Protective work clothing.*
Vapor density *Not applicable.*
Evaporation rate *Not applicable.*
Solubility in / Miscibility with
Water: *Not determined*
Partition coefficient (n-octanol/water): *Not determined.*
Viscosity:
dynamic: *Not applicable.*
kinematic: *Not applicable.*
Version number 3
Product name: 2'-Deoxyguanosine
Other information *No further relevant information available.*
10 Stability and reactivity
Reactivity *No information known.*
Chemical stability *Stable under recommended storage conditions.*
Thermal decomposition / conditions to be avoided: *Decomposition will not occur if used and stored according to specifications.*
Possibility of hazardous reactions *Reacts with strong oxidizing agents*
Conditions to avoid *No further relevant information available.*
Incompatible materials: *Oxidizing agents*
Hazardous decomposition products:
Carbon monoxide and carbon dioxide
Nitrogen oxides
11 Toxicological information
Information on toxicological effects
Acute toxicity: *The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for this substance.*
LD/LC50 values that are relevant for classification: *No data*
Skin irritation or corrosion: *May cause irritation*
Eye irritation or corrosion: *May cause irritation*
Sensitization: *No sensitizing effects known.*
Germ cell mutagenicity: *The Registry of Toxic Effects of Chemical Substances (RTECS) contains mutation data for this substance.*
Carcinogenicity: *No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.*

Reproductive toxicity: *No effects known.*
Specific target organ system toxicity - repeated exposure: *No effects known.*
Specific target organ system toxicity - single exposure: *No effects known.*
Aspiration hazard: *No effects known.*
Subacute to chronic toxicity: *No effects known.*
Additional toxicological information: *To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.*
Carcinogenic categories
OSHA-Ca (Occupational Safety & Health Administration) *Substance is not listed.*
12 Ecological information
Toxicity
Aquatic toxicity: *No further relevant information available.*
Persistence and degradability *No further relevant information available.*
Bioaccumulative potential *No further relevant information available.*
Mobility in soil *No further relevant information available.*
Additional ecological information:
General notes:
Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.
Avoid transfer into the environment.
Results of PBT and vPvB assessment
PBT: *Not applicable.*
vPvB: *Not applicable.*
Other adverse effects *No further relevant information available.*
13 Disposal considerations
Waste treatment methods
Recommendation *Consult state, local or national regulations to ensure proper disposal.*
Uncleaned packagings:
Recommendation: *Disposal must be made according to official regulations.*
14 Transport information
UN-Number
DOT, ADN, IMDG, IATA *Not applicable*
UN proper shipping name
DOT, ADN, IMDG, IATA *Not applicable*
Transport hazard class(es)
DOT, ADR, ADN, IMDG, IATA
Class *Not applicable*
Packing group
DOT, IMDG, IATA *Not applicable*
Environmental hazards: *Not applicable.*
Special precautions for user *Not applicable.*
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code *Not applicable.*
Transport/Additional information:
DOT
Marine Pollutant (DOT): *No*
UN "Model Regulation": *Not applicable*
15 Regulatory information
Safety, health and environmental regulations/legislation specific for the substance or mixture
GHS label elements *Not applicable*
Hazard pictograms *Not applicable*
Signal word *Not applicable*
Hazard statements *Not applicable*
National regulations
All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.
All components of this product are listed on the Canadian Domestic Substances List (DSL).
SARA Section 313 (specific toxic chemical listings) *Substance is not listed.*
Version number 3
Product name: 2'-Deoxyguanosine
California Proposition 65
Prop 65 - Chemicals known to cause cancer *Substance is not listed.*
Prop 65 - Developmental toxicity *Substance is not listed.*
Prop 65 - Developmental toxicity, female *Substance is not listed.*
Prop 65 - Developmental toxicity, male *Substance is not listed.*
Information about limitation of use: *For use only by technically qualified individuals.*

Other regulations, limitations and prohibitive regulations
Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. *Substance is not listed.*
The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
market and use must be observed.
Substance is not listed.
Annex XIV of the REACH Regulations (requiring Authorisation for use) *Substance is not listed.*
Chemical safety assessment: *A Chemical Safety Assessment has not been carried out.*
16 Other information
Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this
information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in

conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Department issuing SDS: *Global Marketing Department*
Date of preparation / last revision *02/16/2017 / 2*
Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International C arriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
ACGIH: American Conference of Governmental Industrial Hygienists (USA)
OSHA: Occupational Safety and Health Administration (USA)
NTP: National Toxicology Program (USA)
IARC: International Agency for Research on Cancer
Prepared by: Conier Chem & Pharma Limited Revision Date: 2026/06/23