

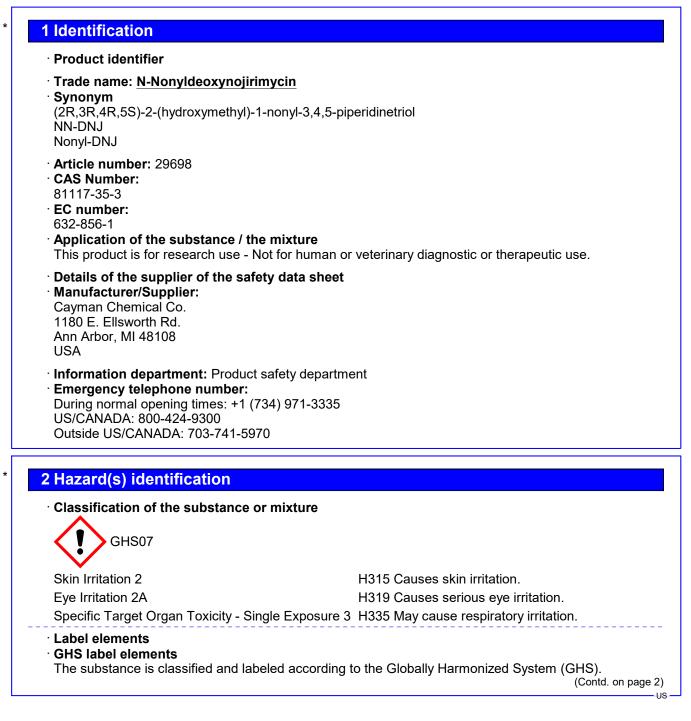
Safety Data Sheet

acc. to OSHA HCS

Printing date 07/10/2024

Revision date 07/10/2024

Page 1/8



Printing date 07/10/2024

Revision date 07/10/2024

Trade name: N-Nonyldeoxynojirimycin

(Contd. from page 1)

P337+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) V Fire = 0 Reactivity = 0 Health = 2 FIRE If eactivity = 0 HEALTH Price = 0 Reactivity = 0 Fire = 0 Reactivity = 0 Reactivity = 0 Other hazards Fire = 0		(Contd. from page
Signal word Warning Haard statements H315 Causes serious eye irritation. H315 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304+P351 H338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P331 If skin irritation occurs: Get medical advice/attention. P332+P313 If see in a well-ventilated place. Keep container tightly closed. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 Dter hazards	Hazard pictogr	ams
Signal word Warning Haard statements H315 Causes serious eye irritation. H315 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304+P351 H338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P331 If skin irritation occurs: Get medical advice/attention. P332+P313 If see in a well-ventilated place. Keep container tightly closed. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 Dter hazards	\wedge	
Signal word Warning Haard statements H315 Causes serious eye irritation. H315 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304+P351 H338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P331 If skin irritation occurs: Get medical advice/attention. P332+P313 If see in a well-ventilated place. Keep container tightly closed. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 Dter hazards		
Signal word Warning Haard statements H315 Causes serious eye irritation. H315 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304+P351 H338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P331 If skin irritation occurs: Get medical advice/attention. P332+P313 If see in a well-ventilated place. Keep container tightly closed. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 Dter hazards		
Signal word Warning Haard statements H315 Causes serious eye irritation. H315 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304+P351 H338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P331 If skin irritation occurs: Get medical advice/attention. P332+P313 If see in a well-ventilated place. Keep container tightly closed. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 Dter hazards		
Hazard statements Haifs Causes skin irritation. Haifs Causes serious eye irritation. Haifs Causes serious eye irritation. Haifs Causes serious eye irritation. Haifs Causes serious eye irritation. Precautionary statements Pathem	GHS07	
Hazard statements Haifs Causes skin irritation. Haifs Causes serious eye irritation. Haifs Causes serious eye irritation. Haifs Causes serious eye irritation. Haifs Causes serious eye irritation. Precautionary statements Pathem		aming
H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 Other hazards		
H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P405 Store in a well-ventilated place. Keep container tightly closed. P405 Store in a well-ventilated place. Keep container tightly closed. P405 Store in a well-ventilated place. Keep container tightly closed. P405 Store in a keel ventilated place. Keep container tightly closed. P405 Store in a keel ventilated place. Keep container tightly closed. P405 Store in a keel ventilated place. Keep container tightly closed. P405 Store in a keel ventilated place. Keep container tightly closed. P405 Store in a keel ventilated place. Keep container tightly closed. P405 Store in a keel ventilated place. P405 Store in a keel ventilated place. P405 Store in a keel ventilated place. P405 Store in a keel ventilated ve		
H335 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 Fire = 0 Reactivity = 0 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) HEALTH 2 Fire = 0 Reactivity = 0 Dispose of contents/container in accordance with local/regional/national/internation regulations. Health = 2 Fire = 0 Reactivity = 0 Dispose of contents/container in accordance with local/regional/national/internation regulations. Health = 2 Fire = 0 Reactivity = 0 Dispose of contents/container in accordance with local/regional/national/internation regulations.		
Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P354 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P333 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 Health = 2 Fire = 0 Reactivity = 0 PHEALTH 2 Health = 2 <td></td> <td></td>		
 Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P364 Take off contaminated clothing and wash it before reuse. P337+P313 If eye irritation occurs: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 Dispose of contents/container in accordance with local/regional/national/internation regulations. 		
P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) V Fire = 0 Reactivity = 0 Health = 2 Fire = 0 Reactivity = 0 Reactivity = 0 Reactivity = 0 Other hazards		
P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P362+P364 Take off contaminated clothing and wash it before reuse. P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If sey irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) P405 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH Paletth = 2 Fire = 0 Reactivity = 0 Classification system: Reactivity = 0 Classer <td></td> <td></td>		
P280 Wear protective gloves / eye protection / face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P364 Take off contaminated clothing and wash it before reuse. P322+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: If each = 2 NFPA ratings (scale 0 - 4) Fire = 0 Reactivity = 0 Reactivity = 0 HMIS-ratings Fire = 0 Reactivity = 0 Reactivity = 0 Other hazards Fire = 0		
P302+P352 If on skin: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P343 If skin irritation occurs: Get medical advice/attention. P332+P313 If skin irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: If eactivity = 0 MHIS-ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) Fire = 0 Reactivity = 0 Reactivity = 0 Other hazards Fire = 0 Reactivity = 0 Cother hazards		
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P373+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 Fire = 0 Reactivity = 0 Other hazards		
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 Other hazards		
present and easy to do. Continue rinsing. P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P322+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 Other hazards		
P312 Call a poison center/doctor if you feel unwell. P321 Specific treatment (see on this label). P362+P364 Take off contaminated clothing and wash it before reuse. P322+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH Health = 2 Fire = 0 Reactivity = 0 Chter hazards	P305+P351+P3	
P321 Specific treatment (see on this label). P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Image: Participation of the state		
P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) ↓ ↓		
P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P403+P233Store in a well-ventilated place. Keep container tightly closed.P405Store locked up.P501Dispose of contents/container in accordance with local/regional/national/internation regulations.Classification system: NFPA ratings (scale 0 - 4)Health = 2 Fire = 0 Reactivity = 0HMIS-ratings (scale 0 - 4)HEALTH 2 Fire = 0 Reactivity = 0Health = 2 Fire = 0 Reactivity = 0Health = 2 Fire = 0 Reactivity = 0HMIS-ratings (scale 0 - 4)HEALTH 2 Fire = 0 Reactivity = 0HEALTH 2 Reactivity = 0Health = 2 Fire = 0 Reactivity = 0HEALTH 3 Reactivity = 0Health = 2 Fire = 0 Reactivity = 0Classification StructureReactivity = 0Other hazards		
P337+P313 If eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) V Fire = 0 Reactivity = 0 Health = 2 FIRE 0 REACTIVITY 0 Reactivity = 0		
P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) V V V Pire = 0 Reactivity = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) Health = 2 FIRE Pire = 0 Reactivity Reactivity = 0 HEALTH Pire = 0 Reactivity Pire = 0 Pire = 0 Pire = 0	P332+P313	
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) V Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH Pail Health = 2 FIRE 0 Reactivity = 0 Other hazards	P337+P313	
P501 Dispose of contents/container in accordance with local/regional/national/internation regulations. Classification system: NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 FIRE 0 REACTIVITY 0 Reactivity = 0 Other hazards	P403+P233	
regulations. Classification system: NFPA ratings (scale 0 - 4) 4 Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) $\frac{1100}{100}$ Health = 2 Fire = 0 Reactivity = 0 Health = 2 Fire = 0 Reactivity = 0 Health = 2 Fire = 0 Reactivity = 0 Cher hazards	P405	Store locked up.
Classification system: NFPA ratings (scale 0 - 4) $\downarrow 0 0$ Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) $\downarrow EALTH 2$ Health = 2 FIRE 0 Reactivity 0 Reactivity = 0 Health = 2 Fire = 0 Reactivity = 0 Health = 2 Fire = 0 Reactivity = 0 Health = 2 Fire = 0 Reactivity = 0 Charactivity = 0	P501	Dispose of contents/container in accordance with local/regional/national/internation
NFPA ratings (scale 0 - 4)		regulations.
Health = 2 Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 FIRE 0 REACTIVITY 0 Reactivity = 0 Chean control in the second	Classification a	system:
Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 FIRE 0 REACTIVITY 0 Reactivity = 0 Other hazards	NFPA ratings (scale 0 - 4)
Fire = 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 FIRE 0 REACTIVITY 0 Reactivity = 0 Other hazards		
<pre>2 0 Reactivity = 0 HMIS-ratings (scale 0 - 4) HEALTH 2 Health = 2 FIRE 0 REACTIVITY 0 Reactivity = 0 Other hazards</pre>		
HMIS-ratings (scale 0 - 4) HEALTH 2 FIRE 0 FIRE 0 REACTIVITY 0 Reactivity = 0 Other hazards		
HEALTH 2 Health = 2 FIRE 0 Fire = 0 REACTIVITY 0 Reactivity = 0 Other hazards		activity – 0
FIRE Image: Fire = 0 REACTIVITY Image: Fire = 0 Reactivity = 0 Other hazards Fire = 0	HMIS-ratings (scale 0 - 4)
FIRE Image: Fire = 0 REACTIVITY Image: Fire = 0 Reactivity = 0 Other hazards Fire = 0	HEALTH 2 H	ealth = 2
REACTIVITY Reactivity = 0 Other hazards		
Other hazards		
	Other hazards	
Results of PBT and vPvB assessment	Results of PBT	and vPvB assessment
PBT: Not applicable.	PBT: Not applic	able.
vPvB: Not applicable.		

3 Composition/information on ingredients

- · Chemical characterization: Substances
- · CAS No. Description
- 81117-35-3 N-Nonyldeoxynojirimycin

(Contd. on page 3)

US

Printing date 07/10/2024

Revision date 07/10/2024

Trade name: N-Nonyldeoxynojirimycin

(Contd. from page 2)

Identification number(s)

· EC number: 632-856-1

4 First-aid measures

- Description of first aid measures
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eve contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- · After swallowing: If symptoms persist consult doctor.
- · 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:

Use fire fighting measures that suit the environment.

- A solid water stream may be inefficient.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Ensure adequate ventilation.
- · Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.
- Protective Action Criteria for Chemicals
- · PAC-1: Substance is not listed.
- · PAC-2: Substance is not listed.
- · PAC-3: Substance is not listed.

7 Handling and storage

· Handling:

Precautions for safe handling

No special precautions are necessary if used correctly. Avoid breathing dust/fume/gas/mist/vapours/spray.

Avoid prolonged or repeated exposure.

Keep away from sources of ignition.

Take precautionary measures against static discharge.re.

(Contd. on page 4)

Printing date 07/10/2024

Revision date 07/10/2024

Trade name: N-Nonyldeoxynojirimycin

(Contd. from page 3)

- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- **Storage:** Store in accordance with information listed on the product insert.
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see section 7.
- · Control parameters
- · Components with limit values that require monitoring at the workplace: Not required.
- · Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

(Contd. on page 5)

Printing date 07/10/2024

Revision date 07/10/2024

Trade name: N-Nonyldeoxynojirimycin

(Contd. from page 4)

Information on basic physical and chemical properties General Information Appearance: Form: Solid Color: Not determined. Odor: Characteristic Structural Formula C15H31NO4 Molecular Weight 289.4 g/mol Odor: Not determined. PH-value: Not applicable. Change in condition Melting point/Melting range: Molecular Weight Undetermined. Boiling point/Boiling range: Undetermined. Boiling point/Boiling range: Undetermined. Flash point: Not applicable. Flash point: Not applicable. Peromposition temperature: Not determined. Ignition temperature: Not determined. Lower: Not determined. Upper: Not determined. Vapor pressure: Not applicable. Pensity: Not determined. Vapor pressure: Not determined. Vapor pressure: Not determined. Vapor pressure: Not determined. Vapor pressure: Not determined. Va	9 Physical and chemical propert	ies
General InformationAppearance:Form:SolidColor:Not determined.Odor:CharacteristicStructural FormulaC15H31NO4Molecular Weight289.4 g/molOdor threshold:Not determined.pH-value:Not applicable.Change in conditionUndetermined.Melting point/Melting range:Undetermined.Boiling point/Boiling range:Undetermined.Flash point:Not applicable.Flammability (solid, gaseous):Product is not flammable.Decomposition temperature:Not determined.Ignition temperature:Not determined.Lower:Not determined.Lower:Not determined.Vapor pressure:Not determined.Vapor pressure:Not determined.Vapor densityNot determined.Viscosity:Not determined.Partition coefficient (n-octanol/water): Not determined.Viscosity:Not applicable.Dynamic:Not applicable.Solubility in / Miscibility withNot applicable.Viscosity:Dynamic:Dynamic:Not applicable. <t< th=""><th>· Information on basic physical and ch</th><th>emical properties</th></t<>	· Information on basic physical and ch	emical properties
Form:SolidColor:Not determined.Odor:CharacteristicStructural FormulaC15H31NO4Molecular Weight289.4 g/molOdor threshold:Not determined.odor threshold:Not applicable.'Change in conditionUndetermined.Melting point/Melting range:Undetermined.Flash point:Not applicable.'Flash point:Not applicable.'Flash point:Not determined.Decomposition temperature:Not determined.'Danger of explosion:Product is not flammable.'Danger of explosion:Product does not present an explosion hazard.'Explosion limits:Not determined.Lower:Not determined.'Upper:Not determined.'Vapor pressure:Not determined.'Vapor densityNot determined.'Viscosity:Not determined.'Dynamic:Not applicable.'Solubility in / Miscibility with Water:Not applicable.'Viscosity:Dynamic:Not applicable.'Solubility in / Miscibility outMot applicable. <th></th> <th></th>		
Color:Not determined.Odor:CharacteristicStructural FormulaC15H31NO4Molecular Weight289.4 g/molOdor threshold:Not determined.pH-value:Not applicable.Change in conditionUndetermined.Melting point/Melting range:Undetermined.Boiling point/Boiling range:Undetermined.Flash point:Not applicable.Flash point:Not applicable.Flammability (solid, gaseous):Product is not flammable.Decomposition temperature:Not determined.Ignition temperature:Not determined.Lower:Not determined.Lower:Not determined.Upper:Not determined.Vapor pressure:Not determined.Vapor densityNot determined.Vapor densityNot applicable.Solubility in / Miscibility with Water:Not determined.Viscosity:Not determined.Partition coefficient (n-octanol/water): Not determined.Viscosity:Not applicable.Solubility in / Miscibility with Water:Not applicable.Viscosity:Not determined.Viscosity:Not applicable.Solubility in / Miscibility with Kinematic:Not applicable.Viscosity:Not applicable.Mynamic:Not applicable.Solubility in / Miscibility with Mater:Not applicable.Viscosity:Dynamic: Dynamic:Not applicable.Solubility Soluble; Methanol: slightly solubleViscosity:	· Appearance:	
Odor: Characteristic Structural Formula C15H31NO4 Molecular Weight 289.4 g/mol Odor threshold: Not determined. pH-value: Not applicable. Change in condition	Form:	Solid
Structural Formula C15H31NO4 Molecular Weight 289.4 g/mol Odor threshold: Not determined. 'PH-value: Not applicable. Change in condition Melting point/Melting range: Melting point/Melting range: Undetermined. Boiling point/Boiling range: Undetermined. Flash point: Not applicable. Flammability (solid, gaseous): Product is not flammable. Decomposition temperature: Not determined. Ignition temperature: Not determined. Danger of explosion: Product does not present an explosion hazard. Explosion limits: Lower: Lower: Not determined. Upper: Not determined. Vapor pressure: Not applicable. Oensity: Not determined. Vapor density Not determined. Vapor density Not determined. Vapor density Not determined. Vapor density Not applicable. Evaporation rate Not applicable. Solubility in / Miscibility with Mot determined. Viscosity: Dynamic: Not applicable.	Color:	Not determined.
Molecular Weight289.4 g/molOdor threshold:Not determined.PH-value:Not applicable.Change in conditionUndetermined.Molting point/Melting range:Undetermined.Boiling point/Boiling range:Undetermined.Flash point:Not applicable.Flash point:Not applicable.Flammability (solid, gaseous):Product is not flammable.Decomposition temperature:Not determined.Ignition temperature:Not determined.Danger of explosion:Product does not present an explosion hazard.Explosion limits:Lower:Lower:Not determined.Upper:Not determined.Vapor pressure:Not determined.Not applicable.Not applicable.Vapor densityNot determined.Vapor densityNot applicable.Solubility in / Miscibility with Water:Not determined.Viscosity:Not applicable.Viscosity:Not applicable.Viscosity:Not applicable.Viscosity:Not applicable.Not applicable.Not applicable.Viscosity:Not applicable.Not applicable.Not applicable.Viscosity:Not applicable.Not applicable.Not applicable.Viscosity:Not applicable.Not applicable.Not applicable.SoluBILITYDMSO: slightly soluble; Methanol: slightly soluble	· Odor:	
Odor threshold:Not determined.• pH-value:Not applicable.• Change in condition Melting point/Boiling range: Boiling point/Boiling range: Undetermined.Undetermined.• Flash point:Not applicable.• Flammability (solid, gaseous):Product is not flammable.• Decomposition temperature:Not determined.• Danger of explosion:Product does not present an explosion hazard.• Explosion limits: Upper:Not determined.• Qapor pressure:Not determined.• Vapor pressure:Not determined.• Vapor densityNot determined.• Viscosity: Dymamic: Nomamic: SOLUBILITYNot applicable.• Viscosity: Dymamic: SOLUBILITYNot applicable.• Viscosity: Dymamic: SOLUBILITYNot applicable.		
· pH-value: Not applicable. · Change in condition Melting point/Melting range: Undetermined. · Boiling point/Boiling range: Undetermined. · Flash point: Not applicable. · Flash point: Not applicable. · Flash point: Not determined. · Decomposition temperature: Not determined. · Ignition temperature: Not determined. · Danger of explosion: Product does not present an explosion hazard. · Explosion limits: Lower: Lower: Not determined. Upper: Not determined. · Vapor pressure: Not determined. · Vapor density Not determined. · Vapor density Not determined. · Vapor density Not applicable. · Vapor density Not applicable. · Explosion intate Not applicable. · Solubility in / Miscibility with Water: water: Not determined. · Viscosity: Dynamic: Dynamic: Not determined. · Viscosity: Dynamic: Dynamic: Not applicable. · Viscosity: <		
Change in condition Undetermined. Melting point/Melting range: Undetermined. Flash point: Not applicable. Flash point: Not applicable. Flammability (solid, gaseous): Product is not flammable. Decomposition temperature: Not determined. Ignition temperature: Not determined. Danger of explosion: Product does not present an explosion hazard. Explosion limits: Lower: Lower: Not determined. Upper: Not determined. Vapor pressure: Not determined. Vapor density Not applicable. Evaporation rate Not applicable. Solubility in / Miscibility with Not determined. Viscosity: Dynamic: Dynamic: Not applicable. Viscosity: Dynamic: Dynamic: Not applicable. <tr td=""> Not applicable.</tr>	· Odor threshold:	Not determined.
Melting point/Melting range: Boiling point/Boiling range:Undetermined.Flash point:Not applicable.Flash point:Not applicable.Flammability (solid, gaseous):Product is not flammable.Decomposition temperature:Not determined.Ignition temperature:Not determined.Oanger of explosion:Product does not present an explosion hazard.Explosion limits: Lower: Upper:Not determined.Vapor pressure:Not determined.Oensity: 	· pH-value:	Not applicable.
Melting point/Melting range:Undetermined.Boiling point/Boiling range:Undetermined.Flash point:Not applicable.Flammability (solid, gaseous):Product is not flammable.Decomposition temperature:Not determined.Ignition temperature:Not determined.Danger of explosion:Product does not present an explosion hazard.Explosion limits:Vot determined.Lower:Not determined.Upper:Not determined.Vapor pressure:Not determined.Vapor densityNot determined.Vapor densityNot determined.Solubility in / Miscibility with Water:Not determined.Viscosity:Not determined.Oynamic:Not determined.Viscosity:Not determined.Dynamic:Not applicable.Kinematic:Not applicable.SolubilItY in / Miscibility with Water:Not determined.Viscosity:Not determined.Dynamic:Not applicable.SolubilItY in / Miscibility with Water:Not determined.Viscosity:Dynamic:Dynamic:Not applicable.Kinematic:Not applicable.SolubilItYNot applicable.SolubilItYNot applicable.SolubilItYNot applicable.	· Change in condition	
Flash point: Not applicable. Flammability (solid, gaseous): Product is not flammable. Decomposition temperature: Not determined. Ignition temperature: Not determined. Ignition temperature: Not determined. Danger of explosion: Product does not present an explosion hazard. Explosion limits: Lower: Lower: Not determined. Upper: Not determined. Vapor pressure: Not determined. Obaption density: Not determined. Vapor density: Not determined. Vapor density Not determined. Vapor density Not applicable. Solubility in / Miscibility with Not determined. Water: Not determined. Viscosity: Dynamic: Dynamic: Not determined. Viscosity: Dynamic: Dynamic: Not applicable. Kinematic: Not applicable. SoluBILITY DMSO: slightly soluble; Methanol: slightly soluble		Undetermined.
Flammability (solid, gaseous):Product is not flammable.Decomposition temperature:Not determined.Ignition temperature:Not determined.Danger of explosion:Product does not present an explosion hazard.Explosion limits:Vot determined.Lower:Not determined.Upper:Not determined.Vapor pressure:Not determined.Density:Not determined.Relative densityNot determined.Vapor densityNot determined.Solubility in / Miscibility with Water:Not determined.Viscosity:Not determined.Dynamic:Not applicable.Kinematic:Not applicable.SolubilITYNot applicable.Mot applicable.Not determined.Solubility in / Miscibility with Mot applicable.Not determined.Mot applicable.Not applicable.Solubility in / Miscibility with Mater:Not determined.Mot applicable.Not applicable.Solubility in / Miscibility with Mater:Not applicable.Mot applicable.Not applicable.Solubility in / Miscibility in / Miscibility with Mater:Not applicable.Mot applicable.Not applicable.Misci Mis	Boiling point/Boiling range:	Undetermined.
Decomposition temperature: Not determined. Ignition temperature: Not determined. Ignition temperature: Not determined. Danger of explosion: Product does not present an explosion hazard. Explosion limits: Lower: Lower: Not determined. Upper: Not determined. 'Vapor pressure: Not applicable. 'Density: Not determined. 'Relative density Not determined. 'Vapor density Not applicable. 'Evaporation rate Not applicable. 'Solubility in / Miscibility with Not determined. 'Viscosity: Not applicable. 'Viscosity: Not applicable. 'Viscosity: Not applicable. SolUBILITY DMSO: slightly soluble; Methanol: slightly soluble	Flash point:	Not applicable.
Ignition temperature: Not determined. Danger of explosion: Product does not present an explosion hazard. Explosion limits: Image: Not determined. Lower: Not determined. Upper: Not determined. Vapor pressure: Not applicable. Density: Not determined. Relative density Not determined. Vapor density Not applicable. Evaporation rate Not applicable. Solubility in / Miscibility with Water: Not determined. Viscosity: Not determined. Dynamic: Not determined. Viscosity: Not determined. Dynamic: Not applicable. Solubility in / Miscibility with Not determined. Viscosity: Dynamic: Dynamic: Not applicable. SolubiliLITY DMSO: slightly soluble; Methanol: slightly soluble	· Flammability (solid, gaseous):	Product is not flammable.
Danger of explosion: Product does not present an explosion hazard. Explosion limits: Not determined. Lower: Not determined. Upper: Not determined. Vapor pressure: Not applicable. Density: Not determined. Period Not determined. Vapor density Not determined. Vapor density Not applicable. Evaporation rate Not applicable. Solubility in / Miscibility with Water: Not determined. Viscosity: Not determined. Dynamic: Not applicable. Kinematic: Not applicable. Solubility in / Miscibility with Mot determined. Partition coefficient (n-octanol/water): Not determined. Mot applicable. Solubility in / Miscibility with Mot applicable. Dynamic: Not applicable. Dynamic: Not applicable. Solubility in/ Mot applicable. Solubility: DMSO: slightly soluble; Methanol: slightly soluble	· Decomposition temperature:	Not determined.
Explosion limits: Not determined. Lower: Not determined. Upper: Not determined. ' Vapor pressure: Not applicable. ' Density: Not determined. ' Relative density Not determined. ' Vapor density Not determined. ' Vapor density Not applicable. ' Evaporation rate Not applicable. ' Solubility in / Miscibility with Not determined. ' Vater: Not determined. ' Viscosity: Not determined. Dynamic: Not determined. ' Viscosity: Not determined. Dynamic: Not applicable. Kinematic: Not applicable. SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble	· Ignition temperature:	Not determined.
Lower:Not determined.Upper:Not determined.Vapor pressure:Not applicable.Density:Not determined.Relative densityNot determined.Vapor densityNot applicable.Evaporation rateNot applicable.Solubility in / Miscibility with Water:Not determined.Partition coefficient (n-octanol/water):Not determined.Viscosity:Not applicable.Dynamic:Not applicable.Kinematic:Not applicable.SoluBILITYDMSO: slightly soluble; Methanol: slightly soluble	· Danger of explosion:	Product does not present an explosion hazard.
Upper: Not determined. · Vapor pressure: Not applicable. · Density: Not determined. · Relative density Not determined. · Vapor density Not determined. · Vapor density Not applicable. · Evaporation rate Not applicable. · Solubility in / Miscibility with Water: Not determined. · Partition coefficient (n-octanol/water): Not determined. Not applicable. · Viscosity: Dynamic: Dynamic: Not applicable. Kinematic: Not applicable. SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble	· Explosion limits:	
· Vapor pressure: Not applicable. · Density: Not determined. · Relative density Not determined. · Vapor density Not applicable. · 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. SoluBILITY Not applicable.		Not determined.
Density: Not determined. Relative density Not determined. Vapor density Not applicable. Evaporation rate Not applicable. Solubility in / Miscibility with Water: Not determined. Partition coefficient (n-octanol/water): Not determined. Viscosity: Not determined. Dynamic: Not applicable. Kinematic: Not applicable. SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble	Upper:	Not determined.
Relative density Not determined. Vapor density Not applicable. Evaporation rate Not applicable. Solubility in / Miscibility with Water: Not determined. Partition coefficient (n-octanol/water): Not determined. Viscosity: Dynamic: Dynamic: Not applicable. Kinematic: Not applicable. SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble	· Vapor pressure:	Not applicable.
· Vapor density Not applicable. · Evaporation rate Not applicable. · Solubility in / Miscibility with Water: Not determined. · Partition coefficient (n-octanol/water): Not determined. · Viscosity: Dynamic: Dynamic: Not applicable. Kinematic: Not applicable. SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble	· Density:	Not determined.
Evaporation rate Not applicable. Solubility in / Miscibility with Water: Not determined. Partition coefficient (n-octanol/water): Not determined. Not applicable. Viscosity: Not applicable. Dynamic: Not applicable. Kinematic: Not applicable. SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble	Relative density	Not determined.
Solubility in / Miscibility with Water: Not determined. Partition coefficient (n-octanol/water): Not determined. Viscosity: Dynamic: Not applicable. Kinematic: Not applicable. SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble	· Vapor density	Not applicable.
Water: Not determined. Partition coefficient (n-octanol/water): Not determined. Viscosity: Not applicable. Dynamic: Not applicable. Kinematic: Not applicable. SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble	 Evaporation rate 	Not applicable.
Water: Not determined. Partition coefficient (n-octanol/water): Not determined. Viscosity: Not applicable. Dynamic: Not applicable. Kinematic: Not applicable. SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble	· Solubility in / Miscibility with	
Viscosity: Dynamic: Not applicable. Kinematic: Not applicable. SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble		Not determined.
Viscosity: Dynamic: Not applicable. Kinematic: Not applicable. SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble	Partition coefficient (n-octanol/water): Not determined.
Dynamic:Not applicable.Kinematic:Not applicable.SOLUBILITYDMSO: slightly soluble; Methanol: slightly soluble	•	-
Kinematic:Not applicable.SOLUBILITYDMSO: slightly soluble; Methanol: slightly soluble		Not applicable
SOLUBILITY DMSO: slightly soluble; Methanol: slightly soluble		
- 5 7 / 5 7		
	• Other information	No further relevant information available.

10 Stability and reactivity

· Reactivity No further relevant information available.

· Chemical stability

• Thermal decomposition / conditions to be avoided:

- No decomposition if used according to specifications. **Possibility of hazardous reactions** No dangerous reactions known.
- · Conditions to avoid No further relevant information available.

(Contd. on page 6)

Printing date 07/10/2024

Revision date 07/10/2024

Trade name: N-Nonyldeoxynojirimycin

- · Incompatible materials: strong oxidizing agents
- Hazardous decomposition products: carbon dioxide, carbon monoxide

11 Toxicological information

- · Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- · on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- Additional toxicological information:
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) Substance is not listed.
- NTP (National Toxicology Program) Substance is not listed.
- · 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.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:
- Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- 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:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

(Contd. on page 7)

(Contd. from page 5)

Printing date 07/10/2024

Revision date 07/10/2024

Trade name: N-Nonyldeoxynojirimycin

(Contd. from page 6)

UN-Number	
DOT, IMDG, IATA	not regulated
UN proper shipping name	
DOT, IMDG, IATA	not regulated
Transport hazard class(es)	
DOT, ADN, IMDG, IATA	
Class	not regulated
Packing group	
DOT, IMDG, IATA	not regulated
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex	x ll of
MARPOL73/78 and the IBC Code	Not applicable.

15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

· Sara

- · Section 355 (extremely hazardous substances): Substance is not listed.
- · Section 313 (Specific toxic chemical listings): Substance is not listed.
- TSCA (Toxic Substances Control Act): Substance is not listed.
- · Hazardous Air Pollutants Substance is not listed.

· Proposition 65

- · Chemicals known to cause cancer: Substance is not listed.
- · Chemicals known to cause reproductive toxicity for females: Substance is not listed.
- · Chemicals known to cause reproductive toxicity for males: Substance is not listed.
- · Chemicals known to cause developmental toxicity: Substance is not listed.
- · Carcinogenic categories
- · EPA (Environmental Protection Agency) Substance is not listed.
- · TLV (Threshold Limit Value) Substance is not listed.
- · NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

All chemicals may pose unknown hazards and should be used with caution. This SDS applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. Cayman Chemical Company assumes no responsibility for incidental or consequential damages, including lost profits, arising from the use of these data. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Cayman Chemical Company assumes no responsibility for the completeness or accuracy of the information contained herein.

(Contd. on page 8)

US

Printing date 07/10/2024

Revision date 07/10/2024

Trade name: N-Nonyldeoxynojirimycin

	(Contd. from page 7)
Department issuing SDS: Environment protection department.	
Contact: -	
Date of preparation / last revision 07/10/2024 / -	
Abbreviations and acronyms:	
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)	
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (USA)	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
NIOSH: National Institute for Occupational Safety	
OSHA: Occupational Safety & Health	
TLV: Threshold Limit Value	
PEL: Permissible Exposure Limit	
REL: Recommended Exposure Limit	
Skin Irritation 2: Skin corrosion/irritation – Category 2	
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A	
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) - Cate	yory 3
* Data compared to the previous version altered.	
	(