

MATERIAL SAFETY DATA SHEET

1(3)

Date: 25/03/11

1. Name of product and company

Chemical name: Nicotine (cis/trans) –N-oxide
CAS-nr: 491-26-9

Uses: Reference substance used in the analysis of tobacco.

Supplier: Ramidus AB
Ideon
SE-22370 Lund
Sweden
Tel: +46 46 286 2850
Fax: +46 46 286 2851
Contact person: Hans Holmberg
Tel (off office): +46 46 2633720

2. Hazards identification

Risk classification

Toxicity (Oral) (3)
Toxicity (Dermal) (3)
Toxicity (Inhalation) (3)
Irritation on the skin (2)
Eye irritation (2)

Piktogram



H 301 Toxic if swallowed.
H 311 Toxic in contact with skin.
H 331 Toxic if inhaled.
H 319 Causes serious eye irritation.

Safety measures

P 270 Do not eat, drink or smoke when using this product.
P 261 Avoid breathing dust.
P 262 Do not get in eyes, on skin or on clothing.
P 264 Wash hands thoroughly after handling.
P 271 Use only in a well-ventilated area.
P 273 Avoid release to the environment.
P 280 Wear protective gloves / protective clothing, eye protection.

P 301+310 IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER
P330 or doctor/physician.

2(3)

P302+352 IF ON SKIN: Wash with plenty of soap and water.
P312+361 Remove/Take off immediately all contaminated clothing. Wash
P363 contaminated clothing before reuse. Call a POISON CENTER or
doctor/physician if you feel unwell.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician
+ 311

P305+351 IF IN EYES: Rinse cautiously with water for several minutes.
P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 If eye irritation persists: Get medical advice/attention.

P 501 Dispose of contents/container to hazardous or special waste-collection point.

3. Composition

Nicotine (cis/trans) –N-oxide	CAS-nr:	491-26-9	93 %
Nicotine	CAS-nr	54-11-5	2 %

4. First aid measures

In case of contact, immediately flush eyes with copious amounts of water for several minutes. In case of contact, immediately wash skin with soap and plenty of water. If inhaled remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. If swallowed, wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse.

5. Fire fighting measures

Extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Unusual hazards: Emits vapours of nitric oxides.

6. Accidental release measures

Wear respirator, chemical safety goggles and rubber gloves. Sweep up, place in a bag and hold for disposal. Ventilate area and wash spill site after material pick up is complete.

7. Handling and storage

All handling of dangerous chemicals should be performed in a hood or well ventilated area. Store in a tightly closed container in a dry, dark place.

3(3)

8. Exposure control / personal protection

Work in a well ventilated areas. Use chemical safety goggles and compatible chemical resistant gloves. Use suitable respirator. Avoid contact with eyes, skin and clothing. Avoid prolonged and repeated exposure. Wash thoroughly after handling.

9. Physical and chemical properties

Dark viscous liquid.

10. Stability and reactivity

Incompatible with strong oxidizing or reducing agents.

11. Toxicological information

Toxic to swallow and inhale or in contact with skin. Causes serious eye irritation.

12. Ecotoxicological effects.

Toxic for most organisms..

13. Disposal considerations

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and a scrubber. Observe all federal, state and local environmental regulations.

14. Transport information

IATA:

UN nr: 2810, Toxic liquid, organic, n.o.s.

Packing group: II.

IMDG:

UN nr: 2810, Toxic liquid, organic, n.o.s.

Packing group: II.

ADR/RID:

Hazard class: 6 II

15. Regulatory information

This MSDS is set up according to EG regulation Nr 1907/2006.

16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.