

# SAFETY DATA SHEET: n-AMYL ALCOHOL

## 1. IDENTIFICATION

Product Name: n-AMYL ALCOHOL  
Synonyms: 1-Pentanol; n-Pentyl alcohol  
Formula and Formula Weight: CH<sub>3</sub>(CH<sub>2</sub>)<sub>3</sub>CH<sub>2</sub>OH 88.16  
Integra numbers beginning with: A714.10  
Recommended Use: Industrial use  
Restrictions on Use: No information

INTEGRA Chemical Company      **24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)**  
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## 2. HAZARDS IDENTIFICATION

<u>OSHA Classification:</u>	<u>Hazard Category:</u>	<u>Hazard Statement:</u>
Acute Toxicity - Dermal	4	Harmful in contact with skin.
Acute Toxicity - Inhalation	4	Harmful if inhaled.
Skin Corrosion/Irritation	2	Causes skin irritation.
Eye Damage/Irritation	2A	Causes serious eye irritation.
Specific Target Organ Toxicity (single exposure)	3	May cause respiratory irritation.
Flammable Liquids	3	Flammable liquid and vapor.

Signal Word:            Warning



### Precautionary Statements

#### Prevention:

Keep away from heat, sparks, open flames, hot surfaces. – No smoking.  
Keep container tightly closed.  
Ground, bond container and receiving equipment.  
Use explosion-proof electrical, ventilating, lighting, equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing 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, protective clothing.

#### Response

If on skin: Wash with plenty of water.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a poison center, doctor if you feel unwell.  
Specific treatment (see first aid section on this label)  
If skin irritation occurs: Get medical advice, attention.  
If eye irritation persists: Get medical advice, attention.  
Take off immediately contaminated clothing and wash it before reuse.

#### Storage

Store locked up in a well ventilated place. Keep cool. Keep container tightly closed.

#### Disposal

Dispose of contents, container in accordance with all governmental regulations.

Hazards Not Otherwise Classified: No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>Synonyms</u>	<u>CAS #</u>	<u>% Weight</u>
n-Amyl alcohol	1-Pentanol; n-Pentyl alcohol	00071-41-0	100

## 4. FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Eye Contact: Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. If irritation persists, seek medical attention.

Skin Contact: Remove contaminated clothing. Flush skin with plenty of water. Seek medical attention if irritation develops.

Ingestion: Rinse mouth and give victim large quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Additional notes: Symptoms and effects include skin, eye, respiratory irritation; headache, fatigue, dizziness, central nervous system effects.

#### 5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, carbon dioxide, dry chemical or foam. Do not use a stream of water since the stream will scatter and spread the fire.

Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.

Specific Hazards: Above the flash point, flammable or explosive vapor-air mixtures may be formed. Vapors may flow along surfaces to distant ignition sources and flash back.

Hazardous combustion products: Oxides of carbon. Aldehydes.

#### 6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Remove all potential ignition sources. Prevent spread of spill. Wear full protective equipment including suitable respiratory protection. Absorb with sand or inert material. Place into suitable container for disposal.

#### 7. HANDLING AND STORAGE

Incompatible Materials: Incompatible with strong acids and strong oxidizers.

Storage and Handling: Store locked up in a cool, dry, well-ventilated flammable liquids storage area or cabinet away from incompatible materials. Keep away from heat and ignition sources. Keep containers tightly closed and protect them from physical damage. Bond and ground containers when transferring liquid. Use only non-sparking tools and take precautionary measures against static discharge. No smoking.

Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

Keep container tightly closed.

Ground, bond container and receiving equipment.

Use explosion-proof electrical, ventilating, lighting, equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing 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, protective clothing.

#### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:

n-Amyl alcohol None identified

Engineering Controls: Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.

Respiratory Protection: If use generates annoying or irritating dusts, mists or vapors, use a NIOSH approved respirator with a particulate filter.

Skin/Eye Protective Equipment: Safety goggles, protective clothing and gloves appropriate for the risk of exposure.

Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers.

Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid

Odor: Pungent

Odor Threshold: No information

pH: No information

Melting/Freezing Point: -79 °C

Initial Boiling Point and Boiling Range: 137 °C

Flash Point: 32.8 °C

Evaporation Rate: No information

Flammability: No information

Flammable or Explosive Upper: 10

Limits (% by volume in air) Lower: 1.2

Vapor Pressure: 0.29 kPa @25°C

Vapor Density: 3

Relative Density: 0.81 Water=1

Solubility: Soluble in water

Partition Coefficient: n-octanol/water 1.4

Auto-Ignition Temperature: 300 °C

Decomposition Temperature: No information

Viscosity: No information

#### 10. STABILITY AND REACTIVITY

Reactivity: No information  
Stability: Stable  
Possibility of Hazardous Reactions: Hazardous polymerization will not occur  
Conditions to Avoid: Heat, sparks and open flame.  
Incompatibles: Incompatible with strong acids and strong oxidizers.  
Decomposition Products: Oxides of carbon. Aldehydes.

#### 11. TOXICOLOGICAL INFORMATION

##### Effects of Over Exposure:

Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract. May be harmful if inhaled. In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness, central nervous system effects.  
Skin Contact: Contact may cause skin irritation.  
Eye Contact: Contact may cause serious eye irritation.  
Ingestion: No information available  
Chronic Effects: None identified  
Target Organs: None identified  
Additional Effects: None identified  
Reproductive Effects: None identified  
Carcinogenicity: None identified

##### Toxicity Data:

n-Amyl alcohol	LD50 (skin, rabbit)	2000 mg/kg
	LD50 (oral, rat)	3030 mg/kg

#### 12. ECOLOGICAL INFORMATION

	<u>Aquatic Toxicity Data:</u>	<u>Terrestrial Toxicity Data:</u>
n-Amyl alcohol	LC50 Inland silverside: 180 mg/L - 96 h	No information available
Persistence and degradability:	No information available	
Bioaccumulative potential:	No information available	
Mobility in soil:	No information available	
Other adverse effects:	No information available	

#### 13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

#### 14. TRANSPORTATION INFORMATION

This product is a regulated material for domestic ground transportation, per CFR Title 49.

UN Number: UN1105  
Proper Shipping Name: Pentanols  
Packing Group: III  
Hazard Class: 3  
Environmental hazards: No information available  
Special precautions: No information available  
Bulk transport: No information available

#### 15. REGULATORY INFORMATION

n-Amyl alcohol is listed in the TSCA inventory.

#### 16. OTHER INFORMATION

OSHA SDS #: 26691 rev 001 6.11.2015

NE = Not established, NA = Not applicable or Not available

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\*\*\*\*\* END OF SDS \*\*\*\*\*