

1762 Clifton Road NE, Suite 1200 Atlanta, GA 30322 (404) 727-5922 FAX: (404) 727-9778



Get the Facts:

How to Read A Safety Data Sheet (SDS)

Safety Data Sheets are an important requirement of the OSHA Hazard Communication Standard. SDS are essential documents that inform employees and students about how to safely use, store, and handle chemicals. SDS follow the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). There are 16 sections on the SDS. The sections are divided into four major areas, each designed to answer a specific question.

Company Name Safety Data Sheet (SDS)	n-Butyl Alcohol	SDS#: 181.00	
Section 1- Chemical Product and Company Identification			
n-Butyl Alcohol Acme Scientific, Inc. P.O. Box 555 OSHA, IL 55555 (800) 555-5555 CHEMTREC Emergency Phone Number (800) 455-5555			
Section 2 – Hazard Identification		Pictograms	
Hazard Class: Flammable Liquids (Category 3). Flammable liquid and vapor (H226). Keep away from heat, sparks, open flames, and hot surfaces. No Smoking (P210).			
Hazard Class: Acute Toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).			
Hazard Class: Skin corrosion or irritation (Category 2). Causes skin irritation (H315).		下系	
Hazard Class: Serious eye damage/eye irritation (Category 1). Causes serious eye damage (H318).		<u>(!</u>)	
Hazard Class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335).		·	
Hazard Class: Specific target organ toxicity, single exposure; Narcotic effects (Category 3). May cause drowsiness or dizziness (H336). Avoid breathing mist, vapors or spray (P261).			
Section 3 – Composition, Information or Ingredients			
Component Name			
n-Butyl alcohol Synonym: 1-Butanol; n-Butanol			
Section 4 – First Aid Measures			
Call a POISON CENTER or physician if you feel unwell (P312).			

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Safety Data Sheet (SDS)			
If inhaled: Remove victim to fresh air and ke	eep at rest in a position		
comfortable for breathing (P304+P340			
If in eyes: Rinse cautiously with water for several minutes. Remove			
contact lenses if present and easy to do. Continue rinsing			
(P305+P351+P338).351+P338).	contaminated alathing		
If on skin (or hair): Immediately remove all contaminated clothing.			
Rinse skin with water (P303+P361+P353). If swallowed: Rinse mouth. Call a Poison Center or physician if you			
feel unwell (P302+P301+P312).			
Section 5 – Fire Fighting Measures			
Class 1C flammable liquid.			
Flash point: 37.°C. Flammable limits: Lower	or 1.4% Honor: 11.2%		
Auto ignition temperature: 343°CC	ei 1.4% Opper. 11.2%		
When heated to decomposition, may emit C	CO and CO2		
In case of fire: Use triclass dry chemical fire			
(P370+P378)			
Section 6 –Accidental Release Measures			
Remove all ignition sources and ventilate a			
sand or other inert absorbent material and o			
container. See Sections 8 and 13 for further			
Section 7 – Handling and Storage	illioimation.		
Store with alcohols, glycols, amines, and ar	nides Store in a		
dedicated flammables cabinet.	macs. Store in a		
Section 8 – Exposure Control, Personal	Protection		
Wear protective gloves, protective clothing			
Wash thoroughly after handling (P264). Use			
airborne concentrations below exposure limits.			
Exposure guidelines: PEL 100ppm (OSHA)			
Section 9 – Physical and Chemical Prope			
Clear colorless liquid. Wine-like odor.		Boiling Point:117.7	
Soluble: Water (20%). Miscible with alcohol	and ether.	Melting Point: -89.7	
,		Refractive index:	
		1.3988	
		Specific gravity: 0.81	
Section 10 – Stability and Reactivity		, J	
Avoid contact with aluminum, chromium tric	xide, and oxidizing		
materials.	,		
Substance may develop explosive hydro pe	roxides.		
Shelf life: Fair, substance may oxidize. See	Section 7 for further		
information.			
Section 11 – Toxicological Information			
Acute effects: Absorbed through the skin. I	Eye, skin, respiratory tract	ORAL-RAT LD ₅₀ –	
irritation. Dizziness. CNS depression.	•	790mg/kg	
Chronic effects: N.A. Inhalation – RAT LC			
Target organs: Eyes, skin, respiratory syste	m, central nervous system	- 8000ppm/4 Hours	
•		Skin – Rabbit LD ₅₀ –	
		3400 mg/kg	
Section 12 – Ecological Information			
Data not available yet.			
Section 13 – Disposal Considerations			
Please review all federal, state, and local regulations that may apply.			

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Company Name Safety Data Sheet (SDS)	n-Butyl Alcohol	SDS#: 181.00	
Section 14 – Transport Information			
Shipping name: Butanols. Hazard class: 3; Flammable Liquid. UN number: UN1120			
Section 15 – Regulatory Information			
TSCA-listed; EINECS-listed (200-751-6), RCRA code U031			
Section 16 – Other Information			

Reference for the Sections of a	Safety Data Sheet		
What is the material and what do I need to know immediately in an emergency?			
Product and Company Info	Location of the chemical name. User must ensure that chemical name on the label matches the chemical name on the SDS		
Hazard Identification	Provides an overview of the physical and health hazard risks associated with using the chemical		
Signal Words	Signal Words – either Danger or Warning. Signal words are used to heighten the awareness of the relative risk when using certain chemicals. Danger is the more severe warning		
Pictograms	Nine pictograms exist in the GHS classification system. Review these symbols to identify physical and health hazards		
Composition/Information on Ingredients	This section includes the chemical formula, formula weight, concentration, and CAS#. The CAS# is the single identifying number for each specific substance. CAS# on the SDS should match the CAS# on the bottle label		
What should I do if a hazardous situation occurs?			
First Aid Measures	First Aid Measures are meant for immediate response to an exposure. Seek medical attention as soon as possible		
Fire Fighting Measures	Fire fighters refer to this section to determine the temperature at which ignitable vapors could be present, extinguishing media, and protective equipment for fire fighting		

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Accidental Release Measures	Explains what to do in the event of a spill. Always call the spill team in the event of a spill 404-727-2888		
What can I do to prevent a hazardous situation from occurring?			
Handling and Storage	Includes general chemical storage requirements and/or special chemical storage requirements to prevent accidents		
Exposure Controls/PPE	Provides exposure limits, recommended engineering controls, and recommended PPE		
Physical/Chemical Properties	Describes material's appearance and physical state. If a material doesn't look like the description, then do not use it until the chemical's identity is confirmed		
Stability and Reactivity	Describes the conditions or reactions to be avoided. May also provide indications for shelf-life		
Toxicological Information	Details how chemical may affect the body following short-term exposure and long-term exposure		
What are additional considerations I need to kr			
Ecological Information	Explains impact of large spill if it occurs near a rivers, lakes, streams, or creeks		
Disposal	Disposal methods recommended by chemical manufacturer. All chemical disposal should be in accordance with EHSO Chemical Waste Guidelines		
Transport Information	Provides Shipping Classifications for Dept of Transportation		
Regulatory Information			

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