

SAFETY DATA SHEET

H-SLOWBLEND (80/20)
Product ID: BL532100
Revised: 11-04-2013
Replaces: 10-21-2011

CHEMICAL DISTRIBUTION
SOLUTIONS

1. IDENTIFICATION

Product Name: H-SLOWBLEND (80/20)
Synonyms: L0001586
CAS Number: MIXTURE
Recommended Use: No data available.
Restrictions on Use: No data available.

Chemical Distribution Solutions
1125 Oak St. Ste. 303
Conway, AR 72032
(501) 978-1111

EMERGENCY RESPONSE NUMBERS:
24 Hour Emergency : (800) 424-9300 CHEMTREC

2. HAZARD(S) IDENTIFICATION



Signal Word: Danger

GHS Classification: Serious Eye Damage/Eye Irritation Category 1
Flammable Liquid Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

Hazard Statements: Highly flammable liquid and vapour.
Causes serious eye damage.
May cause respiratory irritation.
May cause drowsiness or dizziness.

Precautionary Statements:

Prevention: Keep away from heat, sparks, open flames and hot surfaces. – No smoking.
Ground and bond container and receiving equipment.
Use explosion-proof electrical, ventilating, and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust, gas, mist, vapors or spray.
Use only outdoors or in a well-ventilated area.
Wear gloves, eye and face protection and protective clothing.

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
In case of fire: Use appropriate extinguishing media - See Section 5 on SDS.

Storage: Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.

Store in a secure manner.

Disposal: Dispose of in accordance with local, regional and international regulations.

Hazards Not Otherwise Classified: May be harmful or fatal if swallowed and enters airways.
Prolonged or repeated skin contact may cause drying, cracking, or irritation.

Percentage of Components with Unknown Acute Toxicity:

Dermal: 78.4 %

Inhalation Vapor: 21.6 %

Inhalation Dust/Mist: 21.6 %

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	% by Wt.
N-Propyl Alcohol	71-23-8	< 85 %
N-Propyl Acetate	109-60-4	< 25 %

4. FIRST-AID MEASURES

Eye Contact: If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention. Remove contact lens if easy to do. In case of irritation from airborne exposure, move to fresh air. Get medical attention, if symptoms persist.

Skin Contact: If on skin: Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Wash with soap and water. Discard footwear which cannot be decontaminated. Destroy contaminated leather clothing.

Inhalation: If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: If swallowed: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Note to Physicians:

Maintain adequate ventilation and oxygenation of the patient. May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants and antitussives may be of help. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Most Important Symptoms/Effects:

Eye Contact: May cause moderate to severe irritation. Liquid or vapor may cause: burning sensation. pain. watering. change of vision. corneal inflammation. discomfort. redness. slight temporary corneal injury.

Skin Contact: May cause mild irritation. Prolonged and repeated contact with skin can cause defatting and drying of the skin which may result in skin irritation and dermatitis. Prolonged and repeated exposure may cause: redness. scaling. cracking. Prolonged contact may cause: severe irritation.

Skin Absorption: May be absorbed through skin.

Inhalation: May irritate: nose. throat. respiratory tract. May cause: coughing. chest pain. nasal discomfort and discharge. hoarseness. difficulty breathing. Inhalation overexposure may lead to central nervous system depression producing effects such as: anesthetic effects. narcotic effects. dizziness. drowsiness. headache. nausea. unconsciousness. death.

Ingestion: May cause: gastrointestinal irritation. nausea. vomiting. diarrhea. central nervous system depression. dizziness. headache. stupor. incoordination. unconsciousness. mental sluggishness. Aspiration into the lungs may occur during ingestion or vomiting, resulting in severe pulmonary injury.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Alcohol foam. Carbon dioxide. Dry chemical. Water spray. Water may be ineffective but should be used to cool fire-exposed structures and vessels. DO NOT USE: Direct water stream.

Fire Fighting Methods: Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers and disperse vapors. Run-off from fire control may cause pollution. Do not use direct water stream. May spread fire. Avoid accumulation of water. Product may be carried across water surface spreading fire or contacting an ignition source.

Fire and Explosion Hazards: FLAMMABLE LIQUID. Vapors are heavier than air. Vapors may settle in low or confined areas, or travel long distances along the ground or surface to an ignition source where they may ignite, flashback, or explode. Keep away from heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment). **PROCESS HAZARD:** Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into hot equipment under a vacuum, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated-temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Vapors may form explosive mixture with air. Prevent buildup of vapors or gases to explosive concentrations. Oxidizing chemicals may accelerate the burning rate in a fire situation. Flammable concentrations of vapor can accumulate at temperatures above flash point.

Hazardous Combustion Products: Carbon dioxide. Carbon monoxide. Unidentifiable organic materials.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-Up Procedures: FLAMMABLE LIQUID. Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit. If fire potential exists, blanket spill with alcohol-type aqueous film-forming foam or use water spray to disperse vapors. Contain spill, place into drums for proper disposal. Soak up residue with non-flammable absorbent material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. Ground and bond all containers and handling equipment. Use non-sparking tools and equipment. CAUTION: Spilled material may be slippery.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. Empty containers retain product residue (vapor, dust, or liquid) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other source of ignition. They may explode and cause injury or death. Launder contaminated clothing before reuse. Air-dry contaminated clothing in a well ventilated area before laundering. Always open containers slowly to allow any excess pressure to vent. Take precautionary measures against static discharges. Never use air pressure for transferring product.

Storage: FLAMMABLE LIQUID. Store in a cool, well ventilated area away from all sources of ignition and out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Store in accordance with local/national regulations. All electrical equipment in areas where this material is stored or handled should be installed in accordance with applicable regulatory requirements and the National Electrical Code. See Section 10 for incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
N-Propyl Alcohol	200 ppm TWA; 500 mg/m ³ TWA
N-Propyl Acetate	200 ppm TWA; 840 mg/m ³ TWA

ACGIH Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
N-Propyl Alcohol	100 ppm TWA; (Skin)
N-Propyl Acetate	250 ppm STEL; 200 ppm TWA

Engineering Controls: General room ventilation is required. Local exhaust ventilation, process enclosures or other engineering controls may be needed to maintain airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.

Eye/Face Protection: Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Wear a full-face respirator, if needed.

Skin Protection: Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Impervious. Chemical-resistant.

Respiratory Protection: Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If exposure limits are exceeded, wear: NIOSH-Approved air-purifying respirator with: Organic vapor cartridge. NIOSH-Approved Supplied Air Respirator (SAR). NIOSH-Approved self-contained breathing apparatus. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

Other Protective Equipment: Eye-wash station. Safety shower. Rubber apron. Rubber boots. Impervious clothing. Protective clothing.

General Hygiene Conditions: Wash with soap and water before meal times and at the end of each work shift. Food, beverages, and tobacco products should not be carried, stored or consumed where this material is in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid.

Color: Clear. Colorless.

Odor: Acetate odor.

Odor Threshold: N.D.

pH: N.A.

Freezing Point (deg. F): N.D.

Melting Point (deg. F): N.D.

Initial Boiling Point or Boiling Range: ~ 207 - 215

Flash Point: 64 °F

Flash Point Method: CCCFP. (ASTM D 6450)

Evaporation Rate (nBuAc = 1): > 1

Flammability (solid, gas): N.D.

Lower Explosion Limit: ~2

Upper Explosion Limit: ~13.5

Vapor Pressure (mm Hg): > 15 @ 20 C

Vapor Density (air=1): > 2

Specific Gravity or Relative Density: 0.8245 @ 60 F

Solubility in Water: Appreciable

Partition Coefficient (n-octanol/water): N.D.

Autoignition Temperature: No Data

Decomposition Temperature: N.D.

H-SLOWBLEND (80/20)
Product ID: BL532100

Viscosity: N.D.
% Volatile (wt%): 100
VOC (wt%): 100
VOC (lbs/gal): 6.87
Fire Point: N.D.

10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid: Avoid contact with heat, sparks, electric arcs, other hot surfaces, and open flames. Avoid other ignition sources. Exposure to elevated temperatures can cause product to decompose.

Incompatible Materials: Strong oxidizing agents. Halogenated compounds. Acids.

Hazardous Decomposition Products: Carbon dioxide. Carbon monoxide. Unidentifiable organic materials.

11. TOXICOLOGICAL INFORMATION

Component	Oral LD50	Dermal LD50	Inhalation LC50
N-Propyl Alcohol	Rat: 1870 mg/kg	No Data	4H Rat: > 13,548.0 ppm
N-Propyl Acetate	Rat: 9370 mg/kg	Rabbit: > 20 ml/kg	No Data

Acute Toxicity Estimate (ATE):

Oral: 2,386 mg/kg

Routes of Exposure: Eyes. Ingestion. Inhalation. Skin. Absorption.

Eye Contact: May cause moderate to severe irritation. Liquid or vapor may cause: burning sensation. pain. watering. change of vision. corneal inflammation. discomfort. redness. slight temporary corneal injury.

Skin Contact: May cause mild irritation. Prolonged and repeated contact with skin can cause defatting and drying of the skin which may result in skin irritation and dermatitis. Prolonged and repeated exposure may cause: redness. scaling. cracking. Prolonged contact may cause: severe irritation.

Skin Absorption: May be absorbed through skin.

Inhalation: May irritate: nose. throat. respiratory tract. May cause: coughing. chest pain. nasal discomfort and discharge. hoarseness. difficulty breathing. Inhalation overexposure may lead to central nervous system depression producing effects such as: anesthetic effects. narcotic effects. dizziness. drowsiness. headache. nausea. unconsciousness. death.

Ingestion: May cause: gastrointestinal irritation. nausea. vomiting. diarrhea. central nervous system depression. dizziness. headache. stupor. incoordination. unconsciousness. mental sluggishness. Aspiration into the lungs may occur during ingestion or vomiting, resulting in severe pulmonary injury.

Medical Conditions Aggravated by Exposure to Product: Central nervous system disorders. Eye disorders. Respiratory system disorders. Skin disorders. Liver disorders. Persons also exposed to acetic acid or propanol might be more sensitive, as these are metabolites of propyl acetate.

Other: Repeated overexposure may cause liver damage.

Cancer Information:

This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data available.

Chemical Fate Information: No data available.

13. DISPOSAL CONSIDERATIONS

Hazardous Waste Number: D001

Disposal Method: Dispose of in a permitted hazardous waste management facility following all local, state and federal regulations. Mix with compatible chemical which is less flammable and incinerate. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Since emptied containers retain product residue, follow label warnings even after container is emptied. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Do NOT dump into any sewers, on the ground, or into any body of water.

14. TRANSPORT INFORMATION

DOT (Department of Transportation):

Identification Number: UN1993
Proper Shipping Name: Flammable Liquid, N.O.S. (Contains n-Propyl Acetate, n-Propyl Alcohol)
Hazard Class: 3
Packing Group: II
Label Required: FLAMMABLE

15. REGULATORY INFORMATION

TSCA Inventory Status: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SARA Title III Section 311/312 Category Hazards:

	<u>Immediate (Acute)</u>	<u>Delayed (Chronic)</u>	<u>Fire Hazard</u>	<u>Pressure Release</u>		<u>Reactive</u>	
	Yes	No	Yes	No	No	No	
Regulated Components:							
Component	CAS	CERCLA	SARA	SARA	U.S.	WI	Prop
	Number	RQ	EHS	313	HAP	HAP	65

No components found.

***Prop 65 - May Contain the Following Trace Components:**

No data available.

16. OTHER INFORMATION

Hazard Rating System

Health: 3

Flammability: 3

Reactivity: 0

* = Chronic Health Hazard

NFPA Rating System

Health: 1

Flammability: 3

Reactivity: 0

Special Hazard: None

MSDS Abbreviations

N.A. = Not Applicable

N.D. = Not Determined

HAP = Hazardous Air Pollutant

VOC = Volatile Organic Compound

H-SLOWBLEND (80/20)
Product ID: BL532100

C = Ceiling Limit

N.E./Not Estab. = Not Established

MSDS Prepared by: NAO

Reason for Revision: New format. Changes made throughout the SDS.

Revised: 11-04-2013

Replaces: 10-21-2011

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which Chemical Distribution Solutions assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.