

Safety Data Sheet

Aladdin 3200 Soluble Oil

SDS Revision Date:

08/14/2015



1. Identification

1.1. Product identifier

Product Identity Aladdin 3200 Soluble Oil
Alternate Names Metalworking Fluid Concentrate

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Technical Data Sheet.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Gates Engineered Lubricants
18906 East Industrial Parkway
New Caney, TX 77357

Emergency

24 hour Emergency Telephone No. (281) 528-4096
Customer Service: Gates Engineered Lubricants (281) 528-4096

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Corr. 1;H314 Causes severe skin burns and eye damage.
Eye Dam. 1;H318 Causes serious eye damage.
Skin Sens. 1;H317 May cause an allergic skin reaction.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Safety Data Sheet

Aladdin 3200 Soluble Oil

SDS Revision Date:

08/14/2015



[Prevention]:

- P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves / eye protection / face protection.

[Response]:

- P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- P310 Immediately call a POISON CENTER or doctor / physician.
- P313 Get medical advice / attention.
- P321 Specific treatment (see information on this label).
- P333+313 If skin irritation or a rash occurs: Get medical advice / attention.
- P363 Wash contaminated clothing before reuse.

[Storage]:

- P405 Store locked up.

[Disposal]:

- P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Soluble Base CAS Number: Proprietary	10 - 25	Skin Corr. 1C;H314 Eye Dam. 1;H318	[1]
3-amino-4-octanol CAS Number: 1001354-72-8	1 - 5	Acute Tox. 4;H302 Skin Corr. 1B;H314 Eye Dam. 1;H318	[1]

Safety Data Sheet

Aladdin 3200 Soluble Oil

SDS Revision Date:

08/14/2015



4-(2-Nitrobutyl)morpholine CAS Number: 0002224-44-	0.10 -	Acute Tox. 4;H302 Acute Tox. 4;H312 Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Dam. 1;H318 Aquatic Acute 1;H400	
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In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Remove any eyewear, i.e. contacts or safety glasses, and flush with clear water for at least 15 minutes or until any irritation subsides. If irritation persists, seek medical attention.
Skin	Remove contaminated clothing and wash before reuse. Wipe excess material from skin. Wash exposed area with soap and water.
Ingestion	Give plenty of water or other mild drinkable fluids and call a physician immediately. Do not induce vomiting without express consent of medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

Overview	Acute Effects of Exposure Eyes: Not expected to cause prolonged or significant eye irritation. Skin: Prolonged or repeated contact may cause dermatitis. Wash with plenty of soap and water. Respiratory: Harmful concentrations of mists/vapors are unlikely through customary handling or use of this product. May cause nose, throat or lung irritation. See section 2 for further details.
Eyes	Causes serious eye damage.
Skin	May cause an allergic skin reaction. Causes severe skin burns and eye damage.

Safety Data Sheet

Aladdin 3200 Soluble Oil

SDS Revision Date:

08/14/2015



5. Fire-fighting measures

5.1. Extinguishing media

Use CO₂, dry chemical, foam and water fog. Water can be used to cool and protect exposed material packaging.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of nitrogen will be formed.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Materials must be preheated to burn. Do not enter confined area without full protective equipment including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not flush to sewer! Avoid contact of spilled material with soil and prevent runoff entering surface waterways. See Section 13 for Waste Disposal Information.

7. Handling and storage

7.1. Precautions for safe handling

Avoid breathing mist. Maintain adequate ventilation. Avoid prolonged or repeated contact with skin.

Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Do Not attempt to clean empty containers since residue is difficult to remove. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, sparks, flame, static electricity or other sources of ignition: they may explode and cause injury or death.

Safety Data Sheet

Aladdin 3200 Soluble Oil

SDS Revision Date:

08/14/2015



See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Acids.

This material contains amine. Do not add nitrite or other nitrosating agents due to the potential for nitrosamine formation.

Keep containers closed when not in use. Protect against physical damage. Store in a cool, dry well-ventilated location, away from heat, sparks, flame and strong oxidants. Outside or detached storage is preferred. Separate from incompatibles. Storage and use areas should be No Smoking areas.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0002224-44-4	4-(2-Nitrobutyl)morpholine	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
1001354-72-8	3-amino-4-octanol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
Proprietary	Soluble Base	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0002224-44-4	4-(2-Nitrobutyl)morpholine	OSHA	Select Carcinogen: No
		NIP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
1001354-72-8	3-amino-4-octanol	OSHA	Select Carcinogen: No
		NIP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Proprietary	Soluble Base	OSHA	Select Carcinogen: No

Safety Data Sheet

Aladdin 3200 Soluble Oil

SDS Revision Date:

08/14/2015



NTP Known: No; Suspected: No

IARC Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

- Respiratory** None required under normal use. If exposure is expected to exceed occupational exposure limits, use a NIOSH-approved respirator to prevent overexposure. In accordance with 29 CFR 1910.134, use either an atmosphere supplying respirator or an air-purifying respirator for organic vapors and particulates.
- Eyes** Safety goggles or glasses to prevent splash coming into contact with the eyes.
- Skin** Long sleeve shirt is recommended. Wear a chemically protective apron when contact with material may occur. When working with heated material, wear an insulated apron or an insulated chemical protective suit.
Use neoprene or nitrile rubber boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.
Wear oil impermeous gloves, such as neoprene, nitrile, polyvinylchloride, to minimize skin contact.
- Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
- Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
- See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Clear to slightly hazy amber Liquid
Odor	Sweet Vanilla
Odor threshold	Not determined
pH	8 - 9 (10% solution in Water)
Melting point / freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flash Point	380°F (COC)
Evaporation rate (Ether = 1)	Not determined
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not available Upper Explosive Limit: Not available

Safety Data Sheet

Aladdin 3200 Soluble Oil

SDS Revision Date:

08/14/2015



Vapor pressure (Pa)	Not determined
Vapor Density	Not available
Specific Gravity	0.87
Solubility in Water	99%
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity (cSt)	23 cSt @ 40°C
Fire Point	420°F (COC)

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable at ambient temperatures.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid heat, open flames and oxidizing materials.

10.5. Incompatible materials

Acids.

This material contains amine. Do not add nitrite or other nitrosating agents due to the potential for nitrosamine formation.

10.6. Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of nitrogen will be formed.

Safety Data Sheet

Aladdin 3200 Soluble Oil

SDS Revision Date:

08/14/2015



11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Soluble Base - (Proprietary)	No data available	No data available	No data available	No data available	No data available
3-amino-4-octanol - (1001354-72-8)	No data available	No data available	No data available	No data available	No data available
4-(2-Nitrobutyl)morpholine - (2224-44-4)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1	Causes severe skin burns and eye damage.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Safety Data Sheet

Aladdin 3200 Soluble Oil

SDS Revision Date:

08/14/2015



Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Soluble Base - (Proprietary)	Not Available	Not Available	Not Available
3-amino-4-octanol - (1001354-72-8)	Not Available	Not Available	Not Available
4-(2-Nitrobutyl)morpholine - (2224-44-4)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

Safety Data Sheet

Aladdin 3200 Soluble Oil

SDS Revision Date:

08/14/2015



15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification D2B E

U S E P A T i e r I I H a z a r d s F i r e :
N o S u d d e n R e l e a s e o f
P r e s s u r e : N o R e a c t i v e : N o
I m m e d i a t e (A c u t e) : Y e s
D e l a y e d (C h r o n i c) : N o

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. Other information

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Safety Data Sheet

Aladdin 3200 Soluble Oil

SDS Revision Date:

08/14/2015



The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

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