

AUGRA PURE

Safety Data Sheets for:
Date of this edition: 11.5.17

AUGRA PURE

Section 1: Identification

1.1.Product name: AUGRA PURE (Refined Aliphatic Hydrocarbon)

1.2.Relevant use of the substance and restrictions on use:

Recommended use: Urethane Adhesive Cleaner

Restrictions: N.A.

1.3.Supplier details:

Augra Corporation

4213 Longhorn Drive

Alvarado, TX 76009

E-Mail: www.augracorp.com/contact

Phone: (817) 783-3560

1.4.Emergency Telephone Number

Phone: (817) 783-3560

Section 2: Hazards Identification



Flammable – Category 3



Aspiration Toxicity – Category 1

DANGER

Flammable liquid and vapor.

May be fatal if swallowed or if enters airways.

Vapors may cause flash fire. Keep away from heat, sparks, open flames or hot surfaces. Use only non-sparking tools. Avoid static discharge. May cause eye irritation. Do not smoke, eat or drink while handling. Use appropriate safety equipment and good ventilation. Wash hands if skin contact is made.

Classification System

HMIS rating (scale 0 – 4)

HEALTH

1

FLAMMABILITY

2

REACTIVITY

0

Section 3: Composition / Information on Ingredients

CHEMICAL NAME	COMMON NAME	CAS#	PERCENT
Isoalkanes C9-C11	Odorless Mineral Spirits, Aliphatic Hydrocarbon	68551-16-6	100%

Section 4: First Aid Measures

4.1. Description of first aid measures

Eyes: Flush with large amounts of cool water for at least 15 minutes while holding eyelid open. Seek medical attention.

Skin: Remove contaminated clothing. Wash the contaminated area with soap and water. If rash or irritation or other symptoms persist, seek medical attention.

Inhalation: Remove to fresh air. If breathing has stopped initiate artificial respiration and obtain immediate medical attention.

Ingestion: Do not induce vomiting. Do not give anything by mouth. Seek immediate medical attention.

Aspiration: Aspiration can cause lung damage and is a medical emergency. Do not give anything by mouth to an unconscious person. Call a physician or hospital emergency room immediately. Place the victim on their left side with their head down. Make sure the victim is breathing sufficiently.

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

Eye irritation
Eye damage
Skin irritation
Respiratory tract irritation
Dizziness / Drowsiness

4.3. Indication of any immediate medical attention and special treatment needed

Seek medical advice and take this safety data information if possible.

Section 5: Fire Fighting Measures

5.1. Extinguishing media

Pertinent extinguishing media are dry chemicals, carbon dioxide gas, alcohol foam. Do not use water as product can float on water and spread.

5.2. Specific hazards rising from the substance / mixture

Combustion of this product may yield irritating or toxic gases.

5.3. Advise for fire fighters

Use self-contained breathing apparatus. Wear protective clothing.
Do not discharge contaminated extinguishing water into drains.

Section 6: Accidental Release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Move away from spill. Eliminate ignition sources and ventilate the area.

6.2. Environmental Procedures

Prevent entry into drains and water courses.

6.3. Methods and material for containment and clean up

Absorbing material can be used such as dry sand or earth. Collect into containers for disposal.

6.4. reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

Section 7: Handling and storage

7.1. Precautions for safe handling

FLAMMABLE LIQUID, Keep away from incompatible materials, sparks, open flames or hot surfaces, Use appropriate safety equipment, and adequate ventilation, Avoid eye or skin contact and inhalation of mist, vapor or fumes, May be harmful or fatal if swallowed and enters airways, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment, Use only non-sparking tools, Avoid free fall of liquid, Ground containers when transferring, Empty containers are very hazardous, Do not flame

cut, saw or drill. Refer to NFPA-704 and/or API RP 2003 for specific bonding and grounding requirements

7.2. Conditions for storage, including any incompatibilities

Keep container closed when not in use, Store in a well-ventilated area and away from incompatible materials, Store away from heat, sparks, open flames or hot surfaces, Vapors may spread long distances and ignite explosively, Store below 49°C (120°F) and in accordance with Class II Combustible Liquids (GHS Category 3)

7.3. Incompatible Materials

Incompatible with strong oxidizing agents, strong acids, alkalis.

Section 8: Exposure Control / Personal Protection

8.1. Control parameters (See Sections 2 and 3 also).



Chemical safety glasses, goggles or face shield



Impervious protective clothing



Impervious chemical gloves



Eye wash and safety shower



Section 9: Physical and Chemical Properties

Flash Point	48C / 118F (TAG Closed Cup)
Flammable Limits	N/D
Autoignition Temp.	336C / 637F
Physical State	Clear Liquid
Odor	Mild
Solubility in water	<1%
Volatiles	100%
VOC	100%
Specific Gravity	0.76 @ 15.6C / 60.1F
Viscosity	1.12 cSt @ 38C / 100F
Boiling Point	178-188C / 352-380F
Vapor Pressure	1.0mmHg @20C / 68F
Evaporation Rate	1 (nBuAc=1)
Molecular Weight	~142 (g/mol)

Section 10: Stability and Reactivity

10.1.Reactivity

Data not available.

10.2.Chemical stability

This product is stable under normal conditions (Below 49C/120F).

10.3.Possibility of hazardous reactions

No hazardous reactions in particular.

10.4.Conditions to avoid

Heat, sparks, flame, static discharge and incompatible materials.

10.5.Incompatible materials

Strong oxidizing agents.

10.6.Hazardous decomposition products

Decomposition in a fire may produce carbon monoxide (CO) and carbon dioxide (CO₂), unburned hydrocarbons and other toxic fumes.

Section 11: Toxicological Information

11.1.Information on toxicological effects

ROUTES OF EXPOSURE

Eyes (Yes), Skin (Yes), Ingestion (Yes "Aspiration Hazard"), Inhalation (Yes)

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	May cause mild eye irritation, discomfort, redness, tearing, by direct product contact, mist or vapors
Skin	May cause mild skin irritation, redness, drying or cracking
Inhalation	Mist, vapor or fumes may cause, irritation to respiratory tract, dizziness or drowsiness
Ingestion	May cause lung damage if swallowed and enters airways

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	May cause eye irritation, redness, tearing, or pain, by direct product contact, mist or vapors
Skin	May cause skin irritation, defatting of the skin which may lead to dermatitis
Inhalation	Mist, vapor or fumes may cause, irritation to respiratory tract, headache, dizziness or drowsiness, damage color vision
Ingestion	May be fatal if swallowed and enters airways

Acute Tox Calculated Oral: > 5,000 mg/kg Dermal: > 5,000 mg/kg Inhaled: > 20.0 mg/L

Acute Tox Category Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Category 4 (Inhaled >10, ≤20 mg/L) Vapors

Additional Info	Intentional misuse by deliberately concentrating and inhaling this product can be harmful or fatal, High pressure skin injections are SERIOUS MEDICAL EMERGENCIES . The injury may not appear serious at first, but within a few hours tissues will become swollen, discolored and extremely painful
Target Organs	Respiratory Tract, Eyes (Lens or cornea), Skin
Medical Conditions	Preexisting, skin, respiratory, disorders may be aggravated by exposure to this product
Physician Notes	In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption, In case of skin injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

Chemical Name	NTP	AC GIH	IARC	GHS Category
None Listed	N/A	N/A	N/A	N/A

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

Chemical Name	Germ Cell Mutagenicity	Toxic to Reproduction
None Listed	N/A	N/A

COMPONENT ACUTE TOXICITY

Chemical Name	Type	Form	Subject	Result	GHS Category
Isoalkanes	LD50	Oral	Rat	34,600 mg/kg	(>2000 mg/kg)
	LD50	Dermal	Rabbit	15,400 mg/kg	(>2000 mg/kg)
	LD50	Inhaled	Rat	>12.4 mg/l	(>5 mg/l)

Section 12: Ecological Information

12.1.Toxicity

Chemical Name	Type	Subject	Result	Exposure Time	GHS Category
Isoalkanes	LD50	Rainbow Trout	1000 mg/l	96 Hours	4 (>100 mg/l)
	LD50	Water Flea	1000 mg/l	48 Hours	4 (>100 mg/l)
Persistence and Degradability			Expected to be inherently biodegradable		
Bioaccumulation Potential			No data available		
Mobility in soil			No data available		
Other Adverse Effects			May be harmful to aquatic life		

Section 13: Disposal Considerations

13.1.Waste treatment methods

Dispose of material in accordance with local, state and federal regulations.

This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its ignitability and due to the composition containing in some or all of its components

The transportation, storage, treatment and disposal of RCRA waster material must be conducted in compliance with 40 CFR 262, 263, 264 and 270. Disposal can only occur in properly permitted facilities

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate

Section 14: Transportation Information

DOT CLASSIFICATION

UN NUMBER

PROPER SHIPPING NAME

UN 3295

HYDROCARBONS, LIQUID, n.o.s. (Isoalkanes C9-C11)

Hazard Class
3

Packing Group
III

Label Codes
Flammable Liquid

Reportable Quantity
None

Response
128

Marine Pollutant

Hazard Label



No

Additional Information: For containers greater than 119 gallons a placard label is required

UN NUMBER
Not Regulated

Propper Shipping Name n.o.s. (Chemicals) or "Limits"
Not Regulated Material

Hazard Class
None

Packing Group
III

Label Codes
None

Reportable Quantity
None

Response
128

Marine Pollutant

Hazard Label



No

Placard Label



Section 15: Regulatory Information

TSCA

CHEMICAL NAME	Sec 8(b) Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
---------------	--------------------	----------------------------	------------------------------	-------------------------------

Isoalkanes C90C11	Yes			
-------------------	-----	--	--	--

REPORTABLE QUANTITIES	Extremely Hazardous	Reportable Quantity	Emission Reporting
-----------------------	---------------------	---------------------	--------------------

CHEMICAL NAME	EPCRA TPQ Sec 302 EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 31
---------------	------------------------------------	-------------------	------------

None Listed

SARA	Section 311	Section 311 / 312 Hazards
------	-------------	---------------------------

CHEMICAL NAME	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
---------------	--------------------	-------	---------	-----------	----------	----------

None Listed

RIGHT TO KNOW	STATE
---------------	-------

CHEMICALNAME	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
--------------	----	----	----	----	----	----	----	----	----	----	----	----	----

None Listed

CALIFORNIA	WARNING! This product contains chemicals known to the state of California to cause:
------------	---

CHEMICAL NAME	CAS#	Birth Defects	Reproductive Harm	Carcinogen	Developmental
---------------	------	---------------	-------------------	------------	---------------

None Listed

CLEAN AIR WATER ACTS	Clean Air Acts	Clean Water Acts
----------------------	----------------	------------------

CHEMICAL NAME	CAS #	HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
---------------	-------	-----	---------------	---------------	----	----	----

None Listed

INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
---------------	-----------	--------	-----------------	-------	-------	----

Isoalkanes C9-C11	Yes	Yes	Yes	Yes	YES	YES
-------------------	-----	-----	-----	-----	-----	-----

WHMIS CLASSIFICATION

CHEMICAL NAME	DSL	Class	Description
Isoalkanes C9-C11	Yes	B-3	Combustible Liquids; Flash Pt. $\geq 37.8^{\circ}\text{C}$ (100°F) $\leq 93.3^{\circ}\text{C}$ (200°F)

Section 16: Other information

SDS	LEGEND DESCRIPTION
~	Approximately
ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service Registry
CEIL	Ceiling Limit (15 minutes)
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act

CI	Cochlear Impairment
CNS	Central Nervous System
EC50	Concentration of a chemical that gives half-maximal response
EPA	Environmental Protection Agency
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)
FBG	Full Bunker Gear
GHS	Globally Harmonized System
HAP	California Hazardous Air Pollutant Clean Air Act

HMIS-A	Safety glasses
HMIS-B	Safety glasses, gloves
HMIS-C	Safety glasses, gloves, chemical apron
HMIS-D	Face shield, gloves, chemical apron
HMIS-E	Safety glasses, gloves, dust respirator
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator
HMIS-G	Safety glasses, gloves, vapor respirator
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator
HMIS-I	Safety glasses, gloves, dust and vapor respirator
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots
HMIS-X	Ask Supervisor
HS	California Hazardous Substance under the Clean Water Act
KD	Kidney Damage (nephropathy)

* Additional Information\

LC50	A concentration that is lethal to 50% of a given species in a given time
LD50	Dose that is lethal to 50% of a given species by a given route of exposure
LEL	Lower Explosive Limit
LD	Liver Damage
NA	Not Applicable
ND	Not Determined
NE	Not Established
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit (OSHA)
PNS	Peripheral Nervous System
PP	California Priority Pollutant under the Clean Water Act
REL	Recommended exposure limit (NIOSH)
RT	Upper Respiratory Tract
Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
SARA	Superfund Amendments and Reauthorization Act
STEL	Short Term Exposure Limit (15 minutes)
TC Lo	Lowest concentration that is toxic to a given species in a given time
TD	Lo Lowest dose that is toxic to a given species
TLV	Threshold Limit Value (ACGIH)
TP	California Toxic Pollutant under the Clean Water Act
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average (8 hours)
UEL	Upper Explosive Limit

All information set forth herein is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy or completeness of this information. No responsibility for personal injury or property damage to sellers, users or third parties caused by this material is assumed. Such sellers or users assume all risks associated with this material.