

SAFETY DATA SHEET

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.*	CAS No.	Hazard classification **
Isopropanol	1 - 5	67-63-0	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Tripropyleneglycol methyl ether	1 - 3	25498-49-1	Not classified as dangerous for supply/use.
Liquefied Petroleum Gas	1 - <5	68476-86-8	Flam. Gas 1; H220 Liquefied gas; H280
Aqua Ammonia	< 1	1336-21-6	Skin Irrit. 2; H315 Eye Irrit. 2; H319
Sodium Nitrate	< 1	7632-00-0	Oxd. Solid 2; H272 Acute Tox. 3; H301 Eye Irrit. 2; H319 Aquatic Acute 1; H400
Ammonium Lauryl Sulfate	< 0.1	68081-96-9	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 2; H401 Aquatic Chronic 3; H412
Water	> 90	7732-18-5	None

Additional Information – * The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200. ** For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Provide artificial respiration if needed. Call a poison center or doctor/physician if you feel unwell.

Skin Contact

Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Take off contaminated clothing and wash it before reuse.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Get medical advice/attention if you feel unwell. Treat symptomatically.

Most important symptoms and effects, both acute and delayed

None

Indication of any immediate medical attention and special treatment needed

None

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.
None

Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic and irritant vapours.

SAFETY DATA SHEET

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Wear protective gloves/eye protection.

Environmental precautions

Not normally required.

Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections Additional Information

None
None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Wear protective gloves/eye protection.

Level 1 Aerosol

Conditions for safe storage, including any incompatibilities

-Storage temperature

Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

-Incompatible materials

Substances that react with water.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Isopropanol	67-63-0	400 ppm	-----	200 ppm	400 ppm	-----
n-Butane	106-97-8	-----	250 ppm	-----	-----	-----
Propane	74-98-6	1000 ppm	Aspyx.#	-----	-----	#

Recommended monitoring method

NIOSH 1401 (Alcohols II); NIOSH 1500 (hydrocarbons, B.P. 36 - 216 °C)

Exposure controls

Appropriate engineering controls

Ensure adequate ventilation.

Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.



SAFETY DATA SHEET

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required.

Environmental Exposure Controls

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Aerosol spray
Color.	Colourless
Odor	Alcohol-like / Ammonia-like
Odor Threshold (ppm)	Not available
pH (Value)	10.5 – 11.5
Melting Point (°C) / Freezing Point (°C)	~ 0 (~ 32 °F)
Boiling point/boiling range (°C):	~ 100 (~ 212 °F)
Flash Point (°C)	Note 1
Evaporation Rate	Not available
Flammability (solid, gas)	Note 1
Explosive Limit Ranges	Not available
Vapor pressure (Pascal)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	9.17 lbs/gal (estimated)
Solubility (Water)	Soluble
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	< 5 cSt @ 40°C
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Heat of Combustion (NFPA 30B)	2.1 kJ/g (estimated)
Specific Gravity	0.98 – 1.00
VOC	5.94 % w/w

Other information

Note 1: Flammable vapors may accumulate in confined spaces under certain conditions.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	Substances that react with water.
Hazardous decomposition product(s)	Thermal Decomposition Products: Carbon monoxide, Carbon dioxide, Oxides of nitrogen, and Sulphur oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

SAFETY DATA SHEET

Information on toxicological effects

Isopropanol (CAS No. 67-63-0):

Acute toxicity	Oral: LD50 5840 = mg/kg (rat) Inhalation: LC50 > 10000 ppm (6-hr, rat, Vapour) May cause drowsiness or dizziness.
Irritation/Corrosivity	Dermal: LD50 > 16.4 ml/kg Causes serious eye irritation.
Sensitization	It is not a skin sensitiser.
Repeated dose toxicity	NOEC:500 ppm (104-week(s)) (rat) NOAEC: 5000 ppm (104-week(s), rat, Systemic effects)
Carcinogenicity	No evidence of carcinogenicity.NOEL: 5000 ppm

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity	There is no evidence of mutagenic potential.
Reproductive toxicity	None anticipated

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Short term	Not to be expected.
Long Term	Not to be expected.
Persistence and degradability	Not persistent.
Bioaccumulative potential	The product has no potential for bioaccumulation.
Mobility in soil	No data
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
--------------------------------	--

SECTION 14: TRANSPORT INFORMATION

DOT

UN number	Not available.
UN proper shipping name	Consumer Commodity
Transport hazard class(es)	
Class	ORM-D
Subsidiary risk	-
Packing group	Not available.
Environmental hazards	
Marine pollutant	No
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	8, 146, 335, IB3, T4, TP1, TP29
Packaging exceptions	155
Packaging non bulk	203
Packaging bulk	241

SAFETY DATA SHEET

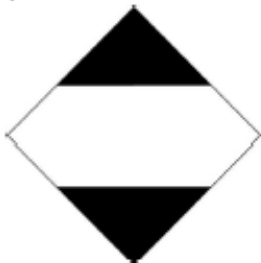
IATA

UN number UN1950
UN proper shipping name Aerosol, non-flammable
Transport hazard class(es)
 Class 2.2
 Subsidiary risk -
Packing group Not available.
Environmental hazards No
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number UN1950
UN proper shipping name AEROSOLS
Transport hazard class(es)
 Class 2.2
 Subsidiary risk -
Packing group Not available.
Environmental hazards
 Marine pollutant No
EmS F-D, S-U
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

DOT; IMDG



IATA



SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act): Inventory Status: All components listed and active, or exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----

SARA 311/312 - Hazard Categories: See SECTION 2: HAZARDS IDENTIFICATION

SAFETY DATA SHEET

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	----

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	----	----

SECTION 16: OTHER INFORMATION

Issue date 05-08-2015
Revision date 08-15-2019
Version # 09

HMIS® ratings Health: 2
 Flammability: 3
 Physical hazard: 0

NFPA ratings Health: 2
 Flammability: 3
 Instability: 0

NFPA ratings



Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Revision information This document has undergone significant changes and should be reviewed in its entirety.