

Safety Data Sheet

1. IDENTIFICATION

Product Identifier: ULTRASOLVE H.D. **Date of Revision:** October 30, 2019
Product Code: I334
Other Name(s): not applicable
Distributed By: not applicable
Recommended Use and Restrictions on Use: degreaser
Manufactured By: Ostrem Chemical Co. Ltd. Phone: 780-440-1911
2310 - 80th Avenue NW In Case of Emergency Only, Phone
Edmonton, Alberta, Canada T6P 1N2 CANUTEC: 613-996-6666
www.ostrem.com

2. HAZARDS IDENTIFICATION

Classification of the Mixture: Aspiration Hazard - Category 1
Eye Damage/Irritation - Category 2A
Flammable Liquids - Category 3
Sensitization, Skin - Category 1
Skin Corrosion/Irritation - Category 2

Label Elements:

Hazard Pictogram(s):



Signal Word: DANGER

Hazard Statement(s): May be fatal if swallowed and enters airways.
Causes serious eye irritation.
Flammable liquid and vapour.
May cause an allergic skin reaction.
Causes skin irritation.

Precautionary Statement(s):

Prevention: Wash hands thoroughly after handling.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves, protective clothing, and eye/face protection.
Avoid breathing dust, vapours or spray.

Response: IF IN EYES: 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.
IF SWALLOWED: Immediately call a poison centre or physician.
Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
IF ON SKIN: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice.
Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.
Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Physical/health hazards not otherwise classified:

not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc.</u>	<u>CAS #</u>	<u>Common Names</u>
----------------------	--------------	--------------	---------------------

Safety Data Sheet

ethoxylated alcohol blend	5 - 10%	68439-46-3	
ethylene glycol monobutyl ether	5 - 10%	111-76-2	2-butoxy ethanol, glycol ether EB
dodecylbenzene isopropylamine sulfonate	5 - 10%	26264-05-1	
d-limonene	10 - 30%	5989-27-5	
glycol ether DB	10 - 30%	112-34-5	
hydrocarbon oxygenate mixture	10 - 30%	proprietary	

4. FIRST-AID MEASURES

Necessary Measures:

IF IN EYES: 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.

IF SWALLOWED: Immediately call a poison centre or physician.

Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

IF ON SKIN: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice.

Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove to fresh air. Seek medical attention if symptoms persist.

Most important symptoms, both acute and delayed:

May be fatal if swallowed and enters airways.

Causes serious eye irritation.

Causes skin irritation.

Indication of immediate medical attention and special treatment needed, if necessary:

not applicable

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the chemical (e.g.: hazardous combustion products):

May liberate carbon monoxide and carbon dioxide.

Special protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See section 8.

Environmental precautions:

Prevent from entering sewers, waterways or low areas.

Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE

Precautions for safe handling:

Wash hands thoroughly after handling.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Avoid breathing dust, vapours or spray.

Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

Store locked up.

Store in a well-ventilated place. Keep cool.

Keep out of reach of children. Store in a cool, dry area.

Safety Data Sheet

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters - Exposure limits:

<u>Ingredient:</u>	<u>Limit:</u>
ethoxylated alcohol blend	not available
ethylene glycol monobutyl ether	ACGIH TWA: 20 ppm
dodecylbenzene isopropylamine sulfonate	not available
d-limonene	TWA: 30 ppm
glycol ether DB	not available
hydrocarbon oxygenate mixture	not available

Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Respiratory protection:

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

Other protection:

Wear protective gloves, protective clothing, and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour etc.):	clear yellow liquid
Odour:	citrus
Odour threshold:	not available
pH:	9.4
Melting/Freezing point:	not available
Initial boiling point and range:	not available
Flash point:	48 C
Evaporation rate:	not available
Flammability (solid, gas):	not available
Upper/lower flammability or explosive limits:	not available
Vapour pressure:	not available
Vapour density:	not available
Relative density (specific gravity):	0.941
Solubility(ies):	soluble
Partition co-efficient: n-octanol/water:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	not available

10. STABILITY AND REACTIVITY

Reactivity:

This material is considered to be non-reactive under normal use conditions.

Chemical stability:

Stable.

Possibility of hazardous reactions:

not available

Conditions to avoid (e.g.: static discharge, shock or vibration):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible materials:

Oxidizers / Acid

Hazardous decomposition products:

not available

11. TOXICOLOGICAL INFORMATION

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation: May cause respiratory tract irritation.

Safety Data Sheet

Ingestion: May be harmful if swallowed.
Eye contact: Causes serious eye irritation.
Skin contact: Causes skin irritation.
Skin absorption: not available

POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation: not available
Ingestion: not available
Eye contact: not available
Skin contact: not available
Skin absorption: not available

Mutagenicity: not available
Carcinogenicity: This information, if applicable, can be found in Section 2.
Reproductive toxicity: This information, if applicable, can be found in Section 2.
Sensitization of product: This information, if applicable, can be found in Section 2.
Specific Target Organ Toxicity - single exposure: This information, if applicable, can be found in Section 2.
Specific Target Organ Toxicity - repeated exposure: This information, if applicable, can be found in Section 2.

Toxicological Data:

<u>Ingredient:</u>	<u>Data:</u>
ethoxylated alcohol blend	not available
ethylene glycol monobutyl ether	Oral LD50: 745 mg/kg (rat) Dermal LD50: 1250 mg/kg (rat)
dodecylbenzene isopropylamine sulfonate	Oral LD50: 1300 mg/kg (rat)
d-limonene	not available
glycol ether DB	not available
hydrocarbon oxygenate mixture	not available

Other Toxicological Information on Ingredients:

ethylene glycol monobutyl ether

Chronic Effects: Organic solvents may be absorbed into the body by inhalation and ingestion and cause permanent damage to the nervous system, including the brain. Risk of damage to blood system. May cause damage to the liver and kidneys. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Reproductive effects: Possible risk of harm to the unborn child. Possible risk of impaired fertility.

Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available): not available
Persistence and degradability: not available
Bioaccumulative potential: not available
Mobility in soil: not available
Other adverse effects: not available

Ecological Information on Ingredients: not available

13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations.

14. TRANSPORT INFORMATION

TDG classification: NON-REGULATED

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

Safety Data Sheet

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Ostrem Chemical Co. Ltd., Ph.: 780-440-1911

Date of Preparation: October 30, 2019

Date of Revision: October 30, 2019

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Ostrem Chemical Co. Ltd.

End of Document