

SAFETY DATA SHEET



1. Product and Company Identification

Product Name ULTRASTAR HDD
Product Description HEAVY DUTY DILUTABLE CLEANER / DEGREASER

Supplier RM Chemical Inc.
#6 – 160 MacLaurin Dr.
Springbank Airport,
Calgary, AB T3Z-3S4

Issue Date May 30, 2020
For Emergency, Product Information or MSDS Call: 587-999-4011
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2. Hazards Identification

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Skin irritation - Category 2; **Serious eye damage** - Category 1; **Skin sensitization** - Category 1B

Pictograms:



Signal Word:

Danger

Hazard Statement(s):

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Precautionary Statement(s):

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

Response:

P302 + P352 **IF ON SKIN:** Wash with plenty of water.
P305 + P351 + P338 **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 CENTRE or doctor.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal: P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

3. Composition / Information On Ingredients

Name CAS number

Containing Active Ingredients:

Alkyl aryl sulfonate	CBI*	3-7 %
N,N-dimethyl 9-decenamide	1356964-77-6	1-5 %
Alcohol alkoxylate	CBI*	1-5 %
Sodium Hydroxide	1310-73-2	2-5 %
d-Limonene	5989-27-5	1-5 %

Notes

CBI = Confidential Business Information.

HMIRA Registry No.: 9608 (Other Supplier)

Concentrations are expressed in % weight/weight. Actual Percentage is withheld as a trade secret.MPC

4. First Aid Measures

Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, administer oxygen. Seek medical attention if irritation develops or persists.

Skin Contact

Quickly and gently blot or brush away excess chemical. Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Seek medical attention if irritation develops or persists.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. Seek immediate medical attention.

Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Seek medical attention.

Most Important Symptoms and Effects, Acute and Delayed

If in eyes: May cause serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result.

If on skin: May cause irritation. Skin sensitizer. May cause an allergic skin reaction in some people.

5. Fire Fighting Measures

Extinguishing Media

Suitable Extinguishing Media Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media Water Jet.

Special Protective Equipment and Precautions for Fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. After cleaning, flush away traces with water. Collect washing for disposal.

7. Handling and Storage

Precautions for Safe Handling

Avoid contact with skin and eyes. Wear personal protective equipment to avoid direct contact with this chemical. Keep containers tightly closed when not in use or empty.

Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated, out of direct sunlight and away from heat and ignition sources, separate from incompatible materials (see Section 10: Stability and Reactivity).

8. Exposure Controls / Personal Protection

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
d-Limonene	Not	Not	Not	Not	Not	Not
N,N-dimethyl 9-decenamide	established	established	established	established	established	established
Alkyl aryl sulfonate	Not	Not	Not	Not	Not	Not
Alcohol alkoxyate	established	established	established	established	established	established

WHEN DILUTING ULTRASTAR HDD CONCENTRATE:

Appropriate Engineering Controls: General ventilation is usually adequate. Provide eyewash if contact or splash hazard exists.

Individual Protection Measures

Skin Protection: Chemically resistant gloves should be used. Consideration must be given both to durability as well as permeation resistance.

Respiratory Protection: Not normally required if product is used as directed.

Eye/Face Protection: When diluting product and while using product safety glasses with side shields are recommended to prevent eye contact.

9. Physical and Chemical Properties

Physical state	Liquid, Citrus Odour, No Fragrance Added
Color	Clear colourless - yellow liquid.
pH	~12
Boiling/condensation point	Not Available
Flash point	93.3 °C (201° F) PMCC
Solubility	Soluble in Water
Pour Point	Pour Point: 0°C (32°F)
Vapor Density	Not Available
Relative Density (Water=1)	1.014 g/cm ³ (at 20°C)

10. Stability / Reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions: N/A

Conditions to avoid: Contact with incompatible materials.

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen.

11. Toxicity Data

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
d-Limonene	Not available	4400 mg/kg (rat)	> 5000 mg/kg (rabbit)
N,N-dimethyl 9-decenamide	Not available	Not available	Not available
Alkyl aryl sulfonate	Not available	Not available	Not available
Alcohol alkoxylate	Not available	Not available	Not available

Skin Corrosion/Irritation:

May cause irritation.

Serious Eye Damage/Irritation:

May cause serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure Inhalation: Not expected to be a problem under normal conditions of use.

Respiratory and/or Skin Sensitization:

May cause an allergic reaction (skin sensitization).

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
d-Limonene	Group 3	Not Listed	Not Listed	Not Listed
N,N-dimethyl 9-decenamide	Not Listed	Not Listed	Not Listed	Not Listed
Alkyl aryl sulfonate	Not Listed	Not Listed	Not Listed	Not Listed
Alcohol alkoxylate	Not Listed	Not Listed	Not Listed	Not Listed

IARC:

Group 3 – Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity Development of Offspring:

No information was located.

Germ Cell Mutagenicity:

No information was located.

Sexual Function and Fertility:

No information was located.

12. Ecological Data

Persistence and Degradability:

Readily biodegradable.

Bioaccumulative Potential:

No information was located.

Mobility in Soil:

Studies are not available.

13. Disposal Considerations

Recommended Waste Disposal Methods: Dispose recovered material in accordance with all local, Provincial or Federal Regulations. Rinse product container thoroughly and recycle container in accordance with all local, Provincial or Federal Regulations

14. Transportation Information

Not regulated under Canadian TDG regulations.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory Information

Safety, Health and Environmental Regulations Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All intentional components of this product are either on the DSL, the confidential DSL or notifications / import restrictions are in place.

USA

Toxic Substances Control Act (TSCA) Section 8(b): All ingredients are listed on the TSCA Inventory.

15. Regulatory Information Continued

Inventory status:

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

Issue date 30-April-2020

Revision date 30-May-2020

Version No. 02

Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. The information in the sheet was written based on the best knowledge and experience currently available.

Prepared By: RM Chemical Inc