

SAFETY DATA SHEET

eOx[®] Heavy Duty Cleaner

Section 1. Identification of the substance or mixture and of the supplier

GHS product identifier eOx[®] Heavy Duty Cleaner

Other means of Identification eOx[®] HDC

Relevant identified uses of the substance or mixture: Multifunctional intensive cleaner / degreaser

Supplier's details RPM Technology, LLC
 P.O. Box 33186
 Reno, NV 89533
 Tel: +1-775-473-6208
 Toll Free: Tel: +1 866 271-8766
 Fax: +1-775-323-7595

Emergency telephone: CHEMTREC, U.S: 1-855-347-8202 International: +1-703-527-3887 number (with hours of (24/7) operation)

Section 2. Hazard identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye irritation (Category 2A), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS Label elements, including precautionary statements:



Pictogram
 Signal word

DANGER

Hazard statement(s)

H304

Causes serious eye irritation.

H317:

May cause an allergic skin reaction.

H410:

Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P273:

Avoid release to the environment.

P280:

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

P301 + P310:

IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P331:

Do NOT induce vomiting.

P302 + P352:

IF ON SKIN: Wash with plenty of water and soap

P333 + P313:

If skin irritation or rash occurs: Get medical advice/attention.

P501:

Dispose of contents/container according to local regulations.

Section 3. Composition/information on ingredients

Ingredient	CAS	Percent
Diethylene glycol monobutyl ether	112-34-5	< 15 %
Orange terpenes	8028-48-6	< 30 %

Detergent C9-11 ethoxylate	10213-79-3	>10 - <20 %
----------------------------	------------	-------------

Section 4. First aid measures

Contact with the eyes	Look for the presence of contact lenses and remove them. Rinse the eyes with opened eyelid long enough (minimum 15 minutes) with lukewarm water if possible. If irritation persists consult a (eye-) doctor. (Keep on rinsing if possible)
Contact with the skin	In case of contact wash with water and soap. With large quantities remove contaminated clothing, rinse skin with plenty of water or shower. Wash garment before using again.
Ingestion	Do not induce vomiting. Rinse mouth with water and give one (1) cup of water to drink. (Never give an unconscious to drink because of risk of choking) Loosen tight fitting clothes, such as shirt, collar, necktie or belt. Consult a doctor immediately.
Inhaling aerosol or vapor in concentrations:	Bring person in fresh air, keep warm and relaxed. In case of lasting irritation consult a doctor.

Section 5. Fire-fighting measures

Suitable extinguishing media:	Product is not flammable, all extinguishing media allowed like a.o. CO2, foam, extinguishing powder, water spray or water spray at larger fires also Jet.
Unusual fire/explosion hazards:	Not classified as flammable. In a fire, toxic and corrosive fumes can release.
Protection of fire fighters:	In the immediate vicinity of the fire use a self-contained breathing device.

Section 6. Accidental release measures

Personal precautions:	Monitor wearing appropriate personal protective equipment during the cleanup of a spill or release of the liquid in large quantities. Safety glasses against splashes, boots, protective clothing and gloves.
Environmental precautions:	Avoid release into sewers or drain on surface water.
Cleaning Methods:	Stop leak if safe to do so. Absorb with dry soil, sand or other non- flammable material. Collect the waste product in suitable containers for waste disposal.

Section 7. Handling and storage

Handling:	The usual precautionary measures when handling chemicals should be respected. Care for an eye wash and safety shower nearby.
Storage:	Keep closed packages in a cool and well-ventilated place. Store frost free.
Storage together with other Substances:	Keep separate from acids

Section 8. Exposure controls/personal protection

Technical measures	Make sure eye washes and safety showers are near the work place
Exposure limit value	No applicable exposure limits were determined
Occupational Hygiene	When you are working do not eat, drink or smoke. Wear personal protective equipment.

Mouth-nose protection	Required on not enough ventilated work areas
Skin and body	Wear suitable protective clothing (overall, preferably thick cotton or disposable protective clothing), gloves and eye/face protection. Chemical-resistant shoes. Take off immediately all contaminated clothing. Store working clothes separate.
Hands	Neoprene or PVA is recommended. Wash your hands at the end of work and before work breaks. In case of repeated or long-term use do not wear thin disposable gloves
Eyes	Wear full face shield if splashing is possible. Safety glasses and face shield. Use an eye shower and/or rinse your eye

Section 9. Physical and chemical properties

Physical state	Liquid
Color	Yellow /Brown
Odor	Characteristic
pH	ca. 9.80
Boiling point	--
Flash Point	>150.8°F (> 66°C) (Combustible liquid)
Upper Limit	--
Lower Limit	--
Vapor Pressure --	
Relative density	0.95
Solubility in water	Fully
Viscosity	n.a.
Vapor Density	n.a.
Ignition Temperature	>392°F (>200°C)

Section 10. Stability and reactivity

Stability	Stable
Conditions to avoid	Keep frost-free

Storage together with other substances: Keep separated from acids

Hazardous decomposition products: Not likely at recommended storage and normal industrial use.

Section 11. Toxicological information

Acute toxicity: LD₅₀ (oral, rat) Not determined

The following reviews of health hazards is based on an assessment of the different components of the product

Effects on the eyes Product can be corrosive to the eyes. Symptoms: redness, pain, poor vision

Effect on the skin Product can be corrosive to the skin.
Symptoms: redness, pain

Inhalation The product may cause irritation to the respiratory organs
Symptoms: Coughing, shortness of breath, sore throat

Ingestion Symptoms: Burning pain in the mouth, throat, esophagus and stomach. Abdominal cramps, vomiting, diarrhea

Chronic toxicity With repeated and intensive skin contact chance on skin disorders

Section 12. Ecological information

Eco toxicity	Not exactly, at similar products greater than 500 mg/kg
Mobility	No data
Persistence and degradability	Biodegradability is 90% CECD303A > cfm Couple Unit test
Bio accumulative potential	No data
Other harmful data	Do not let product come on the surface water undiluted.

Section 13. Disposal information

Waste	Dispose waste and empty packaging in accordance with statutory requirements through an approved disposal.
Empty packaging	Removal as waste according to local and local requirements.

Section 14. Transport information

Classification as for road transport
UN number 2319
ADR Class Combustible Liquid
Proper shipping name Terpene hydrocarbons, n.o.s.
Hazards Identification None
Packing Group III
ADR label

Classification as ICAO/IATA material for air transport
UN number None
Proper shipping name No dangerous goods
IATA Class
Class
ICA/IATA label

Classification as IMDG material for sea transport
UN number None
Proper shipping name No dangerous goods
Hazards Identification
Packing Group
IMDG label
EmS:
Marine pollutant

Section 15. Regulatory information

U.S. Federal regulations: United States inventory (TSCA 8b): All components are listed or exempted.

SARA 302 Components:
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:
The following components are subject to reporting levels established by SARA Title III, Section 313:
2-(2-Butoxyethoxy) ethanol CAS-No. 112-34-5 Revision Date: 1989-08-11

SARA 311/312 Hazards:
Fire: Yes

Pressure Generating: No
Reactivity: No
Immediate (acute) Health Hazard: Yes
Delayed (chronic) Health Hazard: No

Pennsylvania Right To Know Components

Disodium metasilicate pentahydrate CAS-No. 10213-79-3
Orange terpenes CAS-No. 8028-48-6
2-(2-Butoxyethoxy) ethanol CAS-No. 112-34-5

New Jersey Right To Know Components

Disodium metasilicate pentahydrate CAS-No. 10213-79-3
Orange terpenes CAS-No. 8028-48-6
2-(2-Butoxyethoxy) ethanol CAS-No. 112-34-5

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16. Other information including information on preparation and revision of the SDS

List of relevant R- and H- phrases from section 2 and 3 :

H227 Combustible liquid and vapor.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

R10 Flammable.
R36 Irritating to eyes.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R65 Harmful: may cause lung damage if swallowed

Hazardous Material Information System (U.S.A.)

Health: 1
Flammability: 2
Physical hazards: 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health: 1
Flammability: 2
Instability: 0

Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

History

Date of issue mm/dd/yyyy: 04/18/2016

Version: 1

Revised Section(s):

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

DRAFT