



IPAX ATLANTIC LLC

SAFETY DATA SHEET

Product Name: Renovator
SDS#: #230

Effective Date: 9/18/2015

Page 1 of 10

1. IDENTIFICATION

Production Identifier: RENOVATOR #230
Product Type: Liquid

Relevant identified uses for the substance or mixture and uses advised against.

Not Applicable.

Supplier's details: Ipax Atlantic LLC
8301 Lyndon Street
Detroit, Michigan 48238-2444
Phone: 313-933-4211

Emergency telephone: 800-930-4729
Number (with hours of Operation)

2. HAZARDS IDENTIFICATION

OSHA/HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910, 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of substance or mixture: Not classified.

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 13.1% There is not toxicity data available for the polymer in this product, which is exempt and categorized in a low concern functional group under the EPA's Toxic Substances Control Act (TSCA).

GHS label elements

Signal word Hazard Statements

No signal word.
No known significant effects or critical hazards.

Precautionary statements

_General:

Read label before use. Keep out of reach of Children. If medical advice is Needed have product container or label at hand.

IPAX ATLANTIC LLC
SAFETY DATA SHEET

Product Name: Renovator
SDS#: #230

Effective Date: 9/18/2015
Page 2 of 10

2. HAZARDS IDENTIFICATION

Prevention: Not applicable
Response: Not applicable
Storage: Not applicable
Disposal: Not applicable
Hazards not otherwise classified: Not known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Mixture
Other means of Identification: Not available

CAS number/other identifiers

CAS number: Not applicable
Product code: 1228

Ingredient name	%	CAS number
2-(2-ethoxyethoxy) ethanol	1-5	111-90-0
2-(methoxyethoxy) ethanol	1-5	111-77-3
Ethylene Glycol	1-5	107-21-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

Description of necessary first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

IPAX ATLANTIC LLC
SAFETY DATA SHEET

Product Name: Renovator
SDS#: #230

Effective Date: 9/18/2015
Page 3 of 10

4. FIRST AID MEASURES



Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: No known significant effects or critical hazards.
Inhalation: Exposure to decomposition products may cause a health hazards. Serious effects may be delayed following exposure.
Skin contact: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No specific data
Inhalation: No specific data.
Skin contact: No specific data
Ingestion: No specific data

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

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments: No specific treatment.
Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media: None known
Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products: Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides
Special protective actions: For fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment 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.

IPAX ATLANTIC LLC
SAFETY DATA SHEET

Product Name: Renovator
SDS#: #230

Effective Date: 9/18/2015
Page 4 of 11

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-soluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (See Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Sec 13 for waste disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8).

Advice on general Occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

IPAX ATLANTIC LLC
SAFETY DATA SHEET

Product Name: Renovator
SDS#: #230

Effective Date: 9/18/2015
Page 5 of 10

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
2-(2-ethoxyethoxy) ethanol	AIHA WEEL (United States, 10/2011). TWA: 25 ppm 8 hours

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.



Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate technique should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety glasses with side shields are available.

Eye/face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mist, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.

Skin protection

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

IPAX ATLANTIC LLC
SAFETY DATA SHEET

Product Name: Renovator
SDS#: #230

Effective Date: 9/18/2015
Page 6 of 10

9. EXPOSURE CONTROLS/PERSONAL PROTECTION



Respiratory protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

10. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state:	Liquid
Color:	Milky White
Odor:	Slight
Odor threshold:	Not available
pH:	8 to 9
Melting point:	0°C (32°F)
Boiling point:	100°V (212°F)
Flash point:	Closed cup: >93.334°C (>200°F)
Evaporation rate:	Not Available
Flammability (solid, gas):	Not Available
Lower and upper explosive: (flammable) limits	Not Available
Vapor Pressure:	>4 kPa (30 mm Hg) (room temperature)
Specific gravity:	1.03 g/cm ³
Solubility:	Not Available
Partition coefficient: noctanol/water	Not Available
Auto-ignition temperature:	Not Available
Viscosity:	Not Available
VOC content:	1.7%

VOC's are calculated following the requirements under 40 CFR Part 59, Subpart C for Consumer Products and Subpart D for Architectural Coating.

11. STABILITY AND REACTIVITY

Reactivity:	No specific test data related to reactivity are available for this product or its ingredients.
Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No specific data.
Incompatible materials:	No specific data
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

IPAX ATLANTIC LLC
SAFETY DATA SHEET

Product Name: Renovator
SDS#: #230

Effective Date: 9/18/2015
Page 7 of 10

12. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-(2-ethoxyethoxy) ethanol.	LD50 Oral	Rat	7500 mg/kg	-
2-(2-methoxyethoxy) ethanol	LD50 Dermal	Rabbit	9404 mg/kg	-

Irritation/Corrosion

Product/ingredients name	Result	Species	Score	Exposure	Observation
2(2-ethoxyethoxy) ethanol	Eyes-Mild irritant	Rabbit	-	125 milligrams	-
	Eyes-Moderate irritant	Rabbit	-	500 milligrams	-
	Skin – Mild irritant	Rabbit	-	24 hrs. 500 milligrams	-
2-(2-methoxyethoxy) ethanol	Eyes- Mild irritant	Rabbit	-	24hrs. 500 milligrams	-
	Eyes – Moderate Irritant	Rabbit	-	500 milligrams	-

Sensitization

Not available.

Mutagenicity

Not available

Carcinogenicity

Not available.

Reproductive toxicity

Not available

Teratogenicity

Not available.

Specific target organ toxicity (single Exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Information on the likely routes of exposure: Not available.

Potential acute health effects

Eye contact:

No known significant effects or critical hazards.

Inhalation:

Exposure to decomposition products may cause a health hazard. Serious effects.

May be delayed following exposure.

Skin contact:

No known significant effects or critical hazards.

Ingestion:

No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

IPAX ATLANTIC LLC
SAFETY DATA SHEET

Product Name: Renovator
SDS#: #230

Effective Date: 9/18/2015
Page 8 of 10

11. TOXICOLOGICAL INFORMATION



Eye contact: No specific data.
Inhalation: No specific data
Skin contact: No specific data
Ingestion: No specific data

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Long term exposure

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Potential chronic health effects

Not available.
General: No known significant effects or critical hazards.
Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Teratogenicity: No known significant effects or critical hazards.
Development effects: No known significant effects or critical hazards.
Fertility effects: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

13. ECOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Result	Species	Exposure
2-(2-ethoxyethoxy) ethanol	Acute LC50 3340000 µg/l Fresh water	Daphnia-Daphnia magna- Neonate	48 hours
2-(2-methoxyethoxy) ethanol	Acute LC50 6010000 µg/Fresh water Acuter EC50 930 ppm Fresh water Acute LC50 960 ppm Fresh water	Fish-Ictalurus punctatus Daphnia-Daphnia magna Fish-Oncorhynchus mykiss	96 hours 48 hours 96 hours

Persistence and degradability
Not available.

**IPAX ATLANTIC LLC
SAFETY DATA SHEET**

Product Name: Renovator
SDS#: #230

Effective Date: 9/18/2015
Page 8 of 10

12. ECOLOGICAL INFORMATION

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-(2-ethoxyethoxy) ethanol	-0.54	-	low
2-(2-methoxyethoxy) ethanol	-0.47	-	low

Mobility in soil





Soil/water partition coefficient (K_{oc}): Not available

Other adverse effects: Not known significant effects or critical hazards.

14. DISPOSAL CONSIDERATIONS

Disposal methods: The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Disposal of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

15. TRANSPORT INFORMATION

	DOT Classification	IMDG	IATA
UN Number	Not regulated	UN3082	UN3082
UN proper shipping name	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dibutyl phthalate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dibutyl phthalate)
Transport hazard class(es)	-	9  	9  
Packing group	-	III	III
Environmental Hazards	NO	Yes	Yes
Additional Information	-	The marine pollutant mark is not required when transported in sizes of ≤ 5 L or ≤ 5 kg	The environmentally hazardous substance mark is not required when

			transported in sizes of ≤ 5 L or ≤ 5 Kg.
--	--	--	--

**IPAX ATLANTIC LLC
SAFETY DATA SHEET**

Product Name: Renovator
SDS#: #230

Effective Date: 9/18/2015
Page 9 of 10

14. TRANSPORT INFORMATION

Special precautions for user: **transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in event of an accident or spillage.

Transport in bulk according: Not available.
To Annex II of MARPOL
73/78 and the IBC Code

15. REGULATORY INFORMATION

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

Clean Air Act Section 112: Listed
(b) Hazardous Air
Pollutants (HAPs)

Classification: Not Applicable

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (Chronic) health hazard
2-(2-ethoxyethoxy) ethanol	1-5	No	No.	No.	Yes	No.
2-(2-methoxyethoxy) ethanol	1-5	Yes	No.	No.	Yes	No.

Sara 311/312

	Product name	CAS number	%
Form R – Reporting requirements	2-(2-ethoxyethoxy) ethanol	111-90-0	2.4
	Diammonium zinc biscarbonate	40861-29-8	1.5
	Dibutyl phthalate	84-74-2	1.4
	2-(2-methoxyethoxy) ethanol	111-77-3	1.3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

California Prop. 65

WARNING: this product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	NO significant risk level	Maximum acceptable dosage level
Dibutyl phthalate	No.	Yes	No.	Yes

International regulations

Canada inventory:

All components are listed or exempted.

**IPAX ATLANTIC LLC
SAFETY DATA SHEET**

Product Name: Renovator

Effective Date: 9/18/2015

SDS#: #230

Page 10 of 10

16. OTHER INFORMATION

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

Health	*	1
Flammability		0
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 used with a fully implemented HMIS® program.

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

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 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 or not, anyone using the 704 systems to classify chemicals does so at their own risk.

History

Date of printing: 12/19/2015
Date of issue/Date of revision: 10/14/2015
Date of previous issue: No previous validation

Key of abbreviations:

ATE= Acute Toxicity Estimate
BCF=Biconcentration Factor
GHG=globally Harmonized System of Classification and Labelling of chemicals
IATA= International Air Transport Association
IBC=Intermediate Bulk Container
IMDG=International Maritime Dangerous Goods
LogPow=logarithm of the octanol/water partition coefficient
MARPOL 73/78=International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol"=marine pollution)
UN-United Nations

References:

Not available

◀ Indicates information that has changed from previously issued version.

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.

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 valid for such material used in combination with any other materials or in any process, unless specified in the text.