



Safety Data Sheet
Auto Scrubber Neutral Floor Cleaner(Concentrate)
SDS Revision Date: 03/17/2015

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity	PAK-IT Auto Scrubber Neutral Floor Cleaner (Concentrate)
Alternate Names	Chemical Family: blended alkaline, synthetic and natural cleaner

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use / Application Method	For use as a floor cleaner in Auto Scrubbing equipment or mop bucket applications.
--	--

1.3. Details of the supplier of the safety data sheet

Company Name	Big 3 Packaging, LLC 4201 Torresdale Avenue Philadelphia, PA 19124
---------------------	--

Emergency

24 hour Emergency Telephone No.	800-535-5053
Customer Service: Big 3 Packaging, LLC	215-743-4201

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4;H302	Harmful if swallowed.
Acute Tox. 4;H332	Harmful if inhaled.
Skin Irrit. 2;H315	Causes skin irritation.
Eye Dam. 1;H318	Causes serious eye damage.
Skin Sens. 1;H317	May cause an allergic skin reaction.
Aquatic Chronic 1;H410	Very toxic to aquatic life with long lasting effects.

Classification according to 67/548/EEC or 1999/45/EC.

Xn	Harmful.
N	Dangerous for the environment.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Data Sheet

Auto Scrubber Neutral Floor Cleaner(Concentrate)

SDS Revision Date: 03/17/2015

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

According to Regulation (EC) No 1272/2008



Danger

- H302 Harmful if swallowed.
- H313 May be harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H410 Very toxic to aquatic life with long lasting effects.

[Prevention]:

- P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / eye protection / face protection.

[Response]:

- P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
- P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- P313 Get medical advice / attention.
- P321 Specific treatment (see information on this label).
- P330 Rinse mouth.
- P333+313 If skin irritation or a rash occurs: Get medical advice / attention.
- P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P362 Take off contaminated clothing and wash before reuse.
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.

[Storage]:

No CLP storage statements

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.
See Technical Data Sheet.

2.3. Other hazards

This product contains no PBT/vPvB chemicals.



Safety Data Sheet
Auto Scrubber Neutral Floor Cleaner(Concentrate)
SDS Revision Date: 03/17/2015

3. Composition/information on ingredients

If the product contains substances that present a health hazard within the meaning of the Dangerous Substances Directive 67/548/EC, or have occupational exposure limits detailed in EH40, these substances are listed below.

Ingredient/Chemical Designations	Weight %	67/548/EEC Classification*	EC No. 1272/2008 Classification*	Notes
Ethylene glycol monobutyl ether CAS Number: 0000111-76-2 EC No. 203-905-0 Index No.: 603-014-00-0	25 - 50	Xn;R20/21/22 Xi;R36/38	Acute Tox. 4;H332 Acute Tox. 4;H312 Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315	[1][2]
Dipentene CAS Number: 0000138-86-3 EC No. 205-341-0 Index No.: 601-029-00-7	10 - 25	R10 R43 Xi;R38 N;R50-53	Flam. Liq. 3;H226 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	C ^{CLP} 3.1 [1]
Octylphenoxy polyethoxyethanol CAS Number: 0009036-19-5 EC No. Index No.:	10 - 25	R22 R41 R50/53	Acute Tox. 4;H302 Eye Dam. 1;H318 Aquatic Chronic 2;H411	[1]
2-methylpentane-2,4-diol CAS Number: 0000107-41-5 EC No. 203-489-0 Index No.: 603-053-00-3	10 - 25	Xi;R36/38	Eye Irrit. 2;H319 Skin Irrit. 2;H315	[1][2]
Isopropyl Alcohol CAS Number: 0000067-63-0 EC No. 200-661-7 Index No.: 603-117-00-0	10 - 25	F;R11 Xi;R36 R67	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]
Triethanolamine CAS Number: 0000102-71-6 EC No. 203-049-8 Index No.:	1.0 - 10	R36	Eye Irrit. 2;H319	[1]
Coconut oil diethanolamine condensate CAS Number: 0068603-42-9 EC No. 271-657-0 Index No.:	1.0 - 10	R38 R36	Skin Irrit. 2;H315 Eye Irrit. 2;H319	[1]

^{CLP 31} Reference EC No. 1272/2008 1.1.3.1. Notes relating to the identification, classification and labelling of substances (Table 3.1).

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.



Safety Data Sheet

Auto Scrubber Neutral Floor Cleaner(Concentrate)

SDS Revision Date: 03/17/2015

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview	Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.
Inhalation	Harmful if inhaled.
Eyes	Causes serious eye damage.
Skin	May be harmful in contact with skin. (Not adopted by US OSHA) May cause an allergic skin reaction. Causes skin irritation.
Ingestion	Harmful if swallowed.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.
Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of Carbon
Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from firefighting to enter drains or water courses.



Safety Data Sheet

Auto Scrubber Neutral Floor Cleaner(Concentrate)

SDS Revision Date: 03/17/2015

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Oxidizers or Reducing Agents

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters			
Exposure			
CAS No.	Ingredient	Source	Value
0000067-63-0	Isopropyl Alcohol	OSHA	TWA 400 ppm (980 mg/m ³) STEL 500 ppm
		ACGIH	TWA: 200 ppm STEL: 400 ppm Revised 2003,
		NIOSH	TWA 400 ppm (980 mg/m ³) ST 500 ppm (1225 mg/m ³)
		Supplier	No Established Limit
0000102-71-6	Triethanolamine	OSHA	No Established Limit
		ACGIH	TWA: 5 mg/m ³
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000107-41-5	2-methylpentane-2,4-diol	OSHA	No Established Limit
		ACGIH	Ceiling: 25 ppm
		NIOSH	C 25 ppm (125 mg/m ³)
		Supplier	No Established Limit
0000111-76-2	Ethylene glycol monobutyl ether	OSHA	TWA 50 ppm (240 mg/m ³) [skin]
		ACGIH	TWA: 20 ppm Revised 2003,
		NIOSH	TWA 5 ppm (24 mg/m ³) [skin]
		Supplier	No Established Limit



Safety Data Sheet

Auto Scrubber Neutral Floor Cleaner(Concentrate)

SDS Revision Date: 03/17/2015

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-63-0	Isopropyl Alcohol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0000102-71-6	Triethanolamine	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0000107-41-5	2-methylpentane-2,4-diol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000111-76-2	Ethylene glycol monobutyl ether	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0000138-86-3	Dipentene	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0009036-19-5	Octylphenoxy polyethoxyethanol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0068603-42-9	Coconut oil diethanolamine condensate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes

Protective safety glasses recommended.

Skin

Wear overalls to keep skin contact to a minimum.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance

Thin clear purple Liquid

Odor

Fragranced

Odor threshold

Not Measured

pH

7.5 ± 0.5

Melting point / freezing point

Not Established

Initial boiling point and boiling range

Not Established

Flash Point

Not Applicable



Safety Data Sheet

Auto Scrubber Neutral Floor Cleaner(Concentrate)

SDS Revision Date: 03/17/2015

Evaporation rate (Ether = 1)	Not Established
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Not Established
Vapor pressure (Pa)	Not Established
Vapor Density	Not Established
Specific Gravity	0.95 (on dilution \approx 1.0)
Solubility in Water	Complete
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Established
Decomposition temperature	Not Established
Viscosity (cSt)	Not Established
VOC %	Not Established
Percent Volatiles (by weight)	> 10 (on dilution < 1.0)

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Keep out of heat > 140F and cold < 30F.

10.5. Incompatible materials

Oxidizers or Reducing Agents

10.6. Hazardous decomposition products

Oxides of Carbon

11. Toxicological information

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in



Safety Data Sheet

Auto Scrubber Neutral Floor Cleaner(Concentrate)

SDS Revision Date: 03/17/2015

dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Ethylene glycol... 111-76-2	1,414, Guinea Pig Ctg: 4	1,200 Guinea Pig Ctg: 4	173 Guinea Pig Ctg:NA	No data	No data
Dipentene 138-86-3	5,300, Rat - Ctg: NA	No data	No data	No data	No data
Octylpheno...ethanol 9036-19-5	3,800, Rat - Ctg:5	No data	No data	No data	No data
2-methyl...diol 107-41-5	3,700, Rat - Ctg:5	7,892, Rabbit - Ctg: NA	No data	No data	No data
Isopropyl Alcohol 67-63-0	4,710, Rat - Ctg:5	12,800, Rat - Ctg: NA	72.60,Rat - Ctg: NA	No data	No data
Triethanolamine 102-71-6	No data	No data	No data	No data	No data
Coconut oil ... 68603-42-9	No data	No data	No data	No data	No data

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	5	May be harmful in contact with skin. (Not adopted by US OSHA)
Acute toxicity (inhalation)	4	Harmful if inhaled.
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Ethylene glycol monobutyl ether - (111-76-2)	220.00, Fish (Piscis)	1,000.00, Daphnia magna	Not Available
Dipentene - (138-86-3)	0.0203, Pimephales promelas	0.0282, Daphnia magna	Not Available
Octylphenoxyethoxyethanol - (9036-19-5)	7.20, Oncorhynchus mykiss	8.60, Daphnia magna	0.21 (96 hr), Pseudokirchneriella subcapitata
2-methylpentane-2,4-diol - (107-41-5)	10,000.00, Lepomis macrochirus	2,800.00, Cerodaphnia reticulata	Not Available
Isopropyl Alcohol - (67-63-0)	1,400.00, Lepomis macrochirus	100.00, Daphnia magna	100.00 (72 hr), Scenedesmus subspicatus
Triethanolamine - (102-71-6)	Not Available	Not Available	Not Available
Coconut oil diethanolamine condensate - (68603-42-9)	Not Available	Not Available	Not Available



Safety Data Sheet

Auto Scrubber Neutral Floor Cleaner(Concentrate)

SDS Revision Date: 03/17/2015

12.2. Persistence and degradability

Octylphenol ethoxylates are extensively biodegraded in laboratory screening tests, but do not meet the stringent criteria for classification as readily biodegradable. These substances are inherently biodegradable to carbon dioxide and water, and numerous studies have shown that under conditions in which sufficient oxygen, nutrients, and microorganism concentrations occur, such as in soils, surface waters, and well-functioning wastewater-treatment facilities, the substances are extensively biodegraded. Treatment efficiencies vary, although most facilities typically remove between 80 and 90% (through a combination of biodegradation and adsorption).

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

14. Transport information

	DOT	IMO/IMDG	ICAO/IATA
14.1. UN number	Not Applicable	Not Applicable	Not Applicable
14.2. UN proper ship. name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: N/A DOT Label: ---	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: Yes (Dipentene)		
14.6. Special precautions for user	No further information		
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not Applicable		



Safety Data Sheet
Auto Scrubber Neutral Floor Cleaner(Concentrate)
SDS Revision Date: 03/17/2015

15. Regulatory information

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

EU Legislation

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

National Legislation

None noted.

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness and dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
R10 Flammable.
R11 Highly flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.



Safety Data Sheet
Auto Scrubber Neutral Floor Cleaner(Concentrate)
SDS Revision Date: 03/17/2015

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapors may cause drowsiness and dizziness.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable

THE INFORMATION CONTAINED IN THIS SDS WAS OBTAINED FROM CURRENT AND RELIABLE SOURCES, HOWEVER THE DATA IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS CORRECTNESS OR ACCURACY. SINCE THE CONDITIONS OF HANDLING, STORAGE AND DISPOSAL OF THIS PRODUCT ARE BEYOND THE CONTROL OF THIS COMPANY, IT IS NOT RESPONSIBLE FOR LOSS, INJURY AND EXPENSE ARISING OUT OF THE PRODUCT'S IMPROPER USE. NO WARRANTY, EXPRESSED OR INFERRED, REGARDING THE PRODUCT DESCRIBED IN THIS MSDS SHALL BE CREATED OR INFERRED BY ANY STATEMENT IN THIS SDS. VARIOUS GOVERNMENT AGENCIES MAY HAVE SPECIFIC REGULATIONS REGARDING THE TRANSPORTATION, HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT WHICH MAY NOT BE COVERED BY THIS SDS. THE USER IS RESPONSIBLE FOR FULL COMPLIANCE

End of Document.