

28/11/2016 Version No. 3

SAFETY DATA SHEET

1 Identification of chemical product and information on the manufacturer and/or supplier

Product Name:

HS hardener, Acryl coat hardener

Manufacturer / supplier:

ECOPOL LLC.

35, Suvorova str., Dzerzhinsk, Nizhny Novgorod region, 606010, Russia Telephone: (8313) 230351; 230839; 230781; 230746 Tel./fax: (8313) 254103; 274016

1.2 Emergency phone:

In an emergency, contact the National Center for Emergency Care.

2 Hazard (hazards) identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008

- H226: Flammable liquid. Vapours form explosive mixtures with air
- H317: May cause an allergic skin reaction

H332: Harmful if inhaled.

- H335: May cause respiratory irritation
- H336: May cause drowsiness or dizziness.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

This product is classified and labelled according to the Regulation on the classification, labelling and packaging of substances and mixtures (CLP). • Hazard pictograms



GHS02 GHS07

 Signal word Warning
 Hazard-determiningcomponents of labelling: Isocyanates
 Xylene
 n-butyl acetate

· Hazard statements

- H226: Flammable liquid. Vapours form explosive mixtures with air
- H317: May cause an allergic skin reaction
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation
- H336: May cause drowsiness or dizziness.

· Precautionary statements

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking;
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
- *P271:* Use only outdoors or in a well-ventilated area.
- P312: Get medical advice if you feel unwell.
- P273: Avoid release to the environment.

Highly flammable liquid. Hazard category 3 Skin sensitization. Hazard category 1 Acute toxicity (inhal.), Hazard Category 4 Specific target organ toxicity. Hazard category 3 Specific target organ toxicity. Hazard category 3



28/11/2016 Version No. 3

- P102: Keep out of reach of children.

· 2.3 Other hazards

No information available.

3 Composition (information on ingredients)

· 3.2 Chemical characterization: Mixtures

• Description: Mixture of substances listed below with nonhazardous additives.

Contained hazardous substances:

Chemical name	H-statements	Pictograms, signal word (codes)
Hexamethylene-1,6-diisocyanate oligomer Concentration, % (by weight) 20 to 60 CAS No. 28182-81-2 EINECS No. 931-274-8 Index Number REACH No. 01-2119485796-17- XXXX	Skin Sens. 1H317Acute Tox. 4H332STOT SE 3H335	CHS07 Wng
<i>Hexamethylene-1,6-diisocyanate</i> <i>Concentration, % (by weight) < 0.5</i> <i>CAS No. 822-06-0</i> <i>EINECS No. 212-485-8</i> <i>Index Number 615-011-00-1</i> <i>REACH No. 01-2119457571-37- XXXX</i>	Resp. Sens. 1 H334 Skin Sens. 1 H317 Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335 Acute Tox. 3 * H331	GHS06 GHS08 Dgr
Dimethylbenzene (xylene) Concentration, % (by weight) 25 to 70 CAS No. 1330-20-7 EINECS No. 215-535-7 Index Number 601-022-00-9 REACH No. 01-2119488216-32-XXXX	Flam. Liq. 3 H226 Acute Tox. 4 * H312 Skin Irrit. 2 H315 Acute Tox. 4 * H332	GHS02 GHS07 Wng
1-methoxypropane-2-ol acetate (methoxypropyl acetate) Concentration, % (by weight) 2 to 8 CAS No. 108-65-6 EINECS No. 203-603-9 Index Number 607-195-007 REACH No.01-2119475791-29-XXXX	Flam. Liq. 3 H226	🚸 GHS02 Wng
Butyl acetate Concentration, % (by weight) 1 to 7 CAS No. 123-86-4 EINECS No. 204-658-1 Index Number 607-025-00-1 REACH No. 01-2119485493-29- XXXX	Flam. Liq. 3 H226 STOT SE 3 H336	GHS02 CHS07 Wng



28/11/2016 Version No. 3

Chemical name	H-statements	Pictograms, signal word (codes)
hydrocarbons, C9, aromatic Concentration, % (by weight) 1 to 5 CAS No. 64742-95-6 EINECS No. 918-668-5 Index Number 649-356-00-4 REACH No. 01-2119455851-35- XXXX	Asp. Tox. 1 H STOT SE 3 H STOT SE 3 H	1226 (GHS02 1304 () GHS07 1335 () GHS08 1336 () GHS08 1411 () GHS09 Dgr
<i>1,2,4-trimethylbenzene</i> Concentration, % (by weight) < 3 CAS No. 95-63-6 EINECS No. 202-436-9 Index Number 601-043-00-3 REACH No. 01-2119472135-42 - XXXX	Eye Irrit. 2 Skin Irrit. 2 Acute Tox. 4 * STOT SE 3	H226 (GHS02 H319 () GHS07 H315 () GHS07 H332 () GHS09 H335 Wng H411
1,3,5,trimethylbenzene Concentration, % (by weight) < 1 CAS No. 108-67-8 EINECS No. 203-604-4 Index Number 601-025-00-5 REACH No. 01-2119463878-19- XXXX	STOT SE 3	H226 H335 H411 Wng

4 First aid measures

• 4.1 Description of first aid measures

· General advice:

Immediately remove any clothing contaminated by this product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the emergency (accident). • After inhalation: Supply fresh air or oxygen; call for doctor. In case of unconsciousness bring patient into stable side position for transport. • After skin contact: Immediately wash with water and soap and rinse thoroughly. Seek medical help. • After eye contact: Rinse opened eye for several minutes under running water; then consult doctor. Remove contact lenses if any, continue rinsing. • After swallowing: Rinse mouth and drink plenty of water. DO NOT induce vomiting. Get medical attention.

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

No further relevant information available.

• 4.3 Indication of any immediate medical attention and special treatment needed Symptomatic treatment

5 Fire-fighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO₂, extinguishing powder or water spray jet.
Fight larger fires with water spray jet or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents:
Full water jet
5.2 Special hazards arising from the substance or mixture

The following substances can released in case of fire:



28/11/2016 Version No. 3

Carbon monoxide (CO) and carbon dioxide (CO2), nitrogen oxides, vapors of isocyanate and traces of hydrogen cyanide. • 5.3 Advice for firefighters

• *Protective equipment:* Wear self-contained respiratory protective device. Use respiratory protection equipment with forced air ventilation.

· Additional information

Cool endangered containers with water spray jet.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Keep unprotected people away.

Provide for sufficient ventilation.

Keep away from ignition sources.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes and skin.

· 6.2 Environmental precautions:

Do not allow to enter sewers / surface or ground water / holes and cellars.

Inform respective authorities in case of seepage into water course or sewage system.

\cdot 6.3 Methods and materials for containment and cleaning up:

Provide for sufficient ventilation.

Absorb with liquid-binding wet material (sand, diatomite, chemical binder based on calcium silicate, universal binders, sawdust). After one hour, collect in a suitable container. Do not close waste container tight (CO_2 development). Keep damp and allow to stand in a safe place outdoors for several days.

Dispose contaminated material as waste according to guidelines.

· 6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage of chemicals.

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Ensure good interior ventilation, especially at floor level (fumes are heavier than air). Limit the amount of stocks at the workplace. Use only in well ventilated areas. Avoid contact with eves and skin. Do not breathe smoke / spray. Ensure the check of the total used area of the production premise. · Information about fire and explosion protection: Fumes can combine with air to form an explosive mixture. Flammable gas and air mixtures may be formed in empty containers. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking Take precautionary measures against static discharge. Apply explosion-proof instruments / valves and sparkless tools. · 7.2 Conditions for safe storage, including any incompatibilities · Storage: · Storage requirements to be met by storerooms and containers: Store in a cool location. Observe the rules for storage of flammable liquids. Observe water protection rules. · Information about storage in one common storage facility: Observe the rules for storage of flammable liquids. • Further information about storage conditions:

Store receptacle in a well ventilated area.

Store in cool, dry conditions in well sealed receptacles.



28/11/2016 Version No. 3

Protect from heat and direct sunlight.

8 Exposure controls/personal protection

· 8.1 Control parameters · Ingredients with limit values that require monitoring at the workplace: Hexamethylene-1,6-diisocyanate CAS No. 822-06-0 OEL 0.035 mg/m³ CAS No. 1330-20-7 xylene (isomer mixture) OEL(RF) short-term maximum: 150 mg/m³ shift-average: 50 mg/m³ CAS No. 108-65-6: 1-methoxypropane-2-ol acetate OEL(RF) short-term maximum: 10 mg/m³ MAC (maximum allowable concentration, USA): 50 ppm; 275 mg/m³; CAS No. 123-86-4 n-butyl acetate OEL(RF) short-term maximum: 200 mg/m³ shift-average: 50 mg/ m^3 **DNEL** values CAS No. 1330-20-7: xvlene Area of application: worker (Inhalation) Potential effects on health: Long-term exposure, systemic effects: 77 mg/m³ Area of application: worker (Inhalation) Potential effects on health: Short-term exposure, systemic and local effects: 289 mg/m³ Area of application: worker (dermatitis) Potential effects on health: Long-term exposure, systemic effects: 180 mg/kg bw/day Area of application: worker (dermatitis) Potential effects on health: Short-term exposure, local effects: no information available CAS No. 108-65-6: 1-methoxypropane-2-ol acetate Area of application: worker (Inhalation) Potential effects on health: Long-term exposure, systemic effects: 275 mg/m³ Potential effects on health: Short-term exposure, local effects: 550 mg/m² Area of application: worker (dermatitis) Potential effects on health: Long-term exposure, systemic effects: 796 mg/kg bw/day Potential effects on health: Short-term exposure, local effects: not identified CAS No. 123-86-4: n-butyl acetate Area of application: worker (Inhalation) Potential effects on health: Long-term exposure, systemic effects: 48 mg/m³ Area of application: worker (Inhalation) Potential effects on health: Short-term exposure: no information available Area of application: worker (dermatitis) Potential effects on health: Long-term exposure, systemic effects: 7 mg/kg bw/day Area of application: worker (dermatitis) Potential effects on health: Short-term exposure: no information available CAS No. 64742-95-6 hydrocarbons, C9, aromatic Area of application: worker (Inhalation) Potential effects on health: Long-term exposure, systemic effects: 150 mg/m³ Area of application: worker (dermatitis) Potential effects on health: Long-term exposure, systemic effects: 25 mg/kg bw/day *Area of application: worker (dermatitis)* Potential effects on health: Short-term exposure, local effects: no information available **PNEC** values

CAS No. 1330-20-7: xylene freshwater: 0.327 mg/l marine water: 0.327 mg/l soil: 2.31 mg/kg soil dw CAS No. 108-65-6: 1-methoxypropane-2-ol acetate freshwater: 0.635 mg/l marine water: 0.064 mg/l



28/11/2016 Version No. 3

soil: 0.29 mg/kg soil dw CAS No. 123-86-4: n-butyl acetate freshwater: 0.18 mg/l marine water: 0.018 mg/l soil: 0.09 mg/kg soil dw

• Additional information:

The lists valid during manufacture were used as basis. · 8.2 Exposure controls / personal protection · Personal protective equipment: • General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Do not eat, drink, smoke or sniff while working. Immediately remove all soiled and contaminated clothing. Do not inhale gases/fumes/sprays. Avoid contact with eyes and skin. Wash hands before breaks and at the end of work. Do not put the product-soaked rags in trouser pockets. • Respiratory protection: If workplaces are well-ventilated precautions are not required. • Hand protection: Rubber gloves. • Eye protection: Tightly sealed safety glasses · Body protection: Protective work clothing Body protection must be chosen depending on the type of activity and possible exposure. · Environmental exposure controls Do not allow to enter sewers / surface or ground water.

9 Physical and chemical properties

• 9.1 Information on basic physical and chemical properties • General information	
Appearance	Liquid
Colour	Colourless or slightly yellowish
Odour	Of organic solvents
pН	Not specified
Boiling point	Not specified
Flash point (Closed cup) Self-ignition temperature Density, g/cm ³	Plus $24^{0}C$ (dimethylbenzene) Plus $45^{0}C$ (1-methoxypropane-2-ol acetate) Plus $29^{0}C$ (butyl acetate) Plus $51^{\circ}C$ (hydrocarbons, C9, aromatic) Plus $494^{0}C$ (dimethylbenzene) Plus $315^{0}C$ (1-methoxypropane-2-ol acetate) Plus $370^{\circ}C$ (butyl acetate) Plus>400°C (hydrocarbons, C9, aromatic) 0.9
Viscosity (relative, sec)	Not specified
Lower explosion limit, % by volume	1.0 (dimethylbenzene) 1.5 (1-methoxypropane-2-ol acetate) 2.2 (butyl acetate) 0.7 (hydrocarbons, C9, aromatic)
Upper explosion limit, % by volume	6.0 (dimethylbenzene) 7.0 (1-methoxypropane-2-ol acetate)



28/11/2016 Version No. 3

	14.7 (butyl acetate)
	7.0 (hydrocarbons, C9, aromatic)
Vapour density (Pa/at 20°C)	Not specified
Solids content, % by weight	34, not less than
Solubility in water	Contact with water releases CO_2
• 9.2 Other information No further relevant inf	formation available.

10 Stability and reactivity

10.1 Chemical stability
Exothermic reaction: with amines, alcohols. When interacting with water, it forms CO₂.
10.2 Chemical reactivity
None under recommended storage and handling conditions.
10.3 Conditions to avoid
Direct sunlight, high temperatures, open flames, sparks.
Contact with strong oxidizing agents, peroxides, strong acids and bases.
10.4 Hazardous decomposition products
Thermal decomposition can release carbon monoxide, nitrogen oxide, isocyanate vapors, traces of hydrogen cyanide.

11 Toxicological information

•	11.1	Information	on toxicological effects

• Acute toxicity:

· LD/LC50 (lethal dose/concentration) values relevant for classification: CAS No. 1330-20-7 xylene (isomer mixture) Oral (by mouth) LD50 3523 mg/kg (rat) Dermal (through the skin) LD50 12,126 mg/kg (rabbit)/by m-xylene Inhalation LC50/4 h 27,124 mg/m^3 (rat) CAS No. 108-65-6: 1-methoxypropane-2-ol acetate Oral (by mouth) LD50 5465 to 7553 mg/kg (rat) Dermal (through the skin) LD502000 mg/kg (rat) CAS No. 123-86-4 n-butyl acetate Oral (by mouth) LD50 14,130 mg/kg (rat) Dermal (through the skin) LD50 >17,600mg/kg (rabbit) CAS No. 64742-95-6 hydrocarbons, C9, aromatic Oral (by mouth) LD50 3492 mg/kg (rat) Dermal (through the skin) LD50 > 3160 mg/kg (rabbit) Inhalation LC50/4 h. >6193 mg/m³ (rat) • Primary irritant effect: • on the skin: Prolonged or repeated contact may defat the skin and result in dermatitis. May cause allergic reactions. • on the eye: Irritant effect. · Subacute to chronic toxicity: not classified · Additional toxicological information: The product shows the following hazards according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful Irritant Danger of skin absorption. · Information on the following groups of potential effects:

· Sensitization No sensitizing effects known.

- Repeated dose toxicity not determined
- · Carcinogenicity, mutagenicity and toxicity for reproduction

According to present knowledge no CMR-effects known.



28/11/2016 Version No. 3

12 Ecological information

· 12.1 Toxicity

CAS No. 1330-20-7 xylene (isomer mixture)

EbC50/73 h 2.2 mg/l (Selenastrumcapricornutum)(by p-xylene) / for algae EC50/48 h > 3.4 mg/l (Ceriodaphniadubia)(by m-xylene) / for aquatic invertebrates LC50/48 h > 3.4 mg/l (Ceriodaphniadubia)

LC50/96h 11.23 mg/l (Bryconamericusiheringii)(by m-xylene)/for fish

NOEC/56 days>1.3mg/l (Salmo gairdneri)/ for fish

CAS No. 108-65-6: 1-methoxypropane-2-ol acetate

EC50/72h > 1000 mg/l. (Selenastrumcapricornutum) /for algae

EC50/48 h 373 mg/l (Daphnia magna) / for aquatic invertebrates

LC50/96h >100 mg/l (oryziaslatipes) /for fish

CAS No. 123-86-4 n-butyl acetate

ErC50/72 h 648 mg/l (Scenedesmussubspicatus) growth inhibition in algae

EC50/48h 44 mg/l (Daphnia sp.) for aquatic invertebrates

LC50/96 h 18 mg/l (Pimephalespromelas) / for fish

CAS No. 64742-95-6 hydrocarbons, C9, aromatic

ErL50/72 h 7.9 mg/l (Selenastrumcapricornutum) growth inhibition / for algae EC50/48h 44 mg/l (Daphnia magna) / for aquatic invertebrates

LL50/96h 9.2 mg/L (Oncorhynchus mykiss) for fish

• 12.2 Persistance and degradability

No further relevant information available.

- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:

· General notes:

The product contains volatile organic components. Do not allow product to reach ground, water, water course or sewage system and biological treatment plants.

• 12.5 Results of PBT and vPvB assessment

• **PBT:** No information available.

• vPvB: No information available.

· 12.6 Other adverse effects No further relevant information available.

13 Disposal considerations

• 13.1 Waste treatment methods

· Recommendation:

Disposal must be made according to official regulations.

• European waste catalogue

Waste disposal key numbers have to be assigned depending on origin and processing.

- · Uncleaned packaging:
- · Recommendation:

Must not be disposed of together with household garbage. Contaminated packaging must be transported to the companies authorized to collect, recycle or dispose waste.

14 Transport information

		ADR/RID	IMDG	IATA
14.1	UN number	1866	1866	1866
14.2	UN shipping name	RESIN SOLUTION		
14.3	Transport classification	3	3	3
14.4	Packing Group	III	III	III
14.5	Environmental hazards:	No	No	No
	Manin a nallutante			

 Marine pollutant:
 14.6 Special precautions for user Do not transport together with materials of class 1; class 4.2; class 4.3; class 5. Do not use open flame and no smoking



28/11/2016 Version No. 3

15 Regulatory information

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

- National regulations:
- Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

RDD:Regulations Concerning the International Transport of Dangerous GoodsIMDG:International Maritime Code for Dangerous GoodsIATA:International Air Transport AssociationGHS:Globally Harmonised System of Classification and Labelling of ChemicalsELINECS:European Inventory of Existing Commercial Chemical SubstancesELINCS:European Inventory of Existing Commercial Chemical SubstancesCAS:Chemical Abstracts Service (division of the American Chemical Society)REACH:Registration Evaluation and Authorisation of ChemicalsDNEL:Derived No-Effect Concentration (REACH)NOEC:No observed effect concentrationLCS0:Lethal concentration, 50 percentLDS0:Lethal concentration, 50 percentLDS1:Skin Sensitisation Category 1Actue Tox: 4 *Actue toxicity, Hazard Category 2Skin Fors:Specific target organ taxicity. Hazard Category 2Skin fort:Skin corrosion/irritation, Hazard Category 3Resp. Sens. 1Respiratory Sensitisation Category 1Skin fort:Scin corrosion/irritation, Hazard Category 2Acute Tox:Acute Tox:Acute Tox:Aspiration Hazard Category 1Skin fort:Aspiration Hazard Category 1Acute Tox:Aspiration Hazard Category 1Acute Tox:Aspiration Hazard Category 1Skin fort:Aspiration Hazard Category 2GHS06Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS06Hazard pictogram: skull and crossbonesGHS06	ADR:		European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA:International Air Transport AssociationGHS:Globally Harmonised System of Classification and Labelling of ChemicalsGHNCS:European Inventory of Existing Commercial Chemical SubstancesELINCS:European List of Notified Chemical SubstancesCAS:Chemical Abstracts Service (division of the American Chemical Society)REACH:Registration Evaluation and Authorisation of ChemicalsDNEL:Derived No-Effect Level (REACH)NVEC:Predicted No-Effect Concentration (REACH)NVEC:No observed effect concentration (REACH)NVEC:No observed effect concentration (REACH)NVEC:Lethal dose, 50 percentLD50:Lethal dose, 50 percentSkin Sens. ISkin Sensilisation Category 1Acute Tox. 4Acute toxicity, Hazard Category 2Stort Tox. 4Acute toxicity, Hazard Category 1Askin brenistisation Category 1Skin brenistisation Category 1Skin brenistisation Category 1Askin corrosion/invitation, Hazard Category 3Fyen Lin;Serious Eye Damage / Eye Irritation Category 2Agute Tox. 3Acute Toxicity - Inhalation Hazard Category 3Asp. Tox. 1Aspiration FameGHS06Hazard pictogram: Ekull hazardGHS07Hazard pictogram: Ekull hazardGHS08Hazard pictogram: ekull hazardGHS09Hazard pictogram: ekull hazardGHS09Hazard	RID:		
GH5:Globally Harmonised System of Classification and Labelling of ChemicalsEINECS:European Inventory of Existing Commercial Chemical SubstancesELINCS:Chemical Abstracts Service (division of the American Chemical Society)REACH:Registration Evaluation and Authorisation of ChemicalsDNEL:Derived No-Effect Level (REACH)PNEC:Predicted No-Effect Concentration (REACH)NOEC:No observed effect concentration (REACH)NOEC:No observed effect concentration (REACH)Skin Sens.1Skin Sensitianion Category 1Acute Tox.4 *Acute toxicity, Hazard Category 4STOT SE 3Specific target organ toxicity. Hazard category 3Resp. Sens.1Respiratory Sensitistation Category 1Skin Corrosion/irritation, Hazard Category 2Acute Tox.3Acute Toxicity. Hazard Category 3Flam. Liq.3Flammable liquids, Hazard Category 3Asp. Tox.1Aspiration Hazard Category 1Aquatic Chronic 2Hazardous to the aquatic environment – chronic Category 2GHS06Hazard pictogram: skall and crossbonesGHS07Hazard pictogram: scalamicin markGHS08Hazard pictogram: exploringen environmentWngWarringDargerDangerH326:Flammable liquid. Vapours form explosive mixtures with airH336:May cause and enters airwaysH317:May use and enters airwaysH328:Hazard pictogram: scalamicin markGHS08Hazard pictogram: explosive mixtures with airH332:Harmful if inhaledH332:			
EINECS:European Inventory of Existing Commercial Chemical SubstancesELINCS:European List of Notified Chemical SubstancesCAS:Chemical Abstracts Service (division of the American Chemical Society)REACH:Registration Evaluation and Authorisation of ChemicalsDNEL:Derived No-Effect Level (REACH)NOEC:No observed effect concentration(REACH)Nobserved effect concentrationNCS0:Lethal concentration, S0 percentLD50:Lethal concentration, S0 percentSkin Sens. 1Skin Sensitisation Category 1Acute Tox. 4 *Acute toxicity, Hazard Category 1Acute Tox. 4 *Acute toxicity, Hazard Category 1Skin Irrit. 2Skin corrosion/irritation, Hazard Category 2Eye Irrit. 2Serious Eye Damage / Eye Irritation Category 2Acute Tox. 3Acute Toxicity – Inhalation Hazard Category 3Resp. Sens. 1Respiraton Vagard Category 3Asp. Tox. 1Aspiration Hazard Category 3Asp. Tox. 1Aspiration Hazard Category 3Asp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS06Hazard pictogram: skull and crossbonesGHS08Hazard pictogram: exclamation markGHS09Hazard pictogram: exclamation markGHS09Hazard pictogram: exclamation markGHS09Hazard pictogram: exclamation markGHS08Hazard pictogram: exclamation markGHS09Hazard pictogram: exclamationH312Har			
ELINCS:European List of Notified Chemical SubstancesCAS:Chemical Abstracts Service (division of the American Chemical Society)REACH:Registration Evaluation and Authorisation of ChemicalsDNEL:Derived No-Effect Level (REACH)PNEC:Predicted No-Effect Concentration (REACH)NOEC:No observed effect concentration (REACH)NOEC:No observed effect concentration (REACH)SOEC:Lethal concentration, 50 percentLD50:Lethal dose, 50 percentSkin Sens. ISkin Sensitisation Category 1Acute Tox. 4 *Acute toxicity, Hazard Category 3Resp. Sens. 1Respiratory Sensitisation Category 1Skin Irrit. 2Skin corrosion/irritation, Hazard Category 2Eye Irrit. 2Serious Eye Damage / Eye Irritation Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Acute Tox: 4Acute Toxicity – Inhalation Hazard Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Asp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazard pictogram: sclamation markGHS02Hazard pictogram: sclamation markGHS08Hazard pictogram: sclamation markGHS09Hazard pictogram: explosive mixtures with airH312May be fatal if swallowed and enters airwaysH313:Causes serious eye irritationH314:May be cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause and entergy or irritationH334:May cause and entergy or irritation			
CAS:Chemical Abstracts Service (division of the American Chemical Society)REACH:Registration Evaluation and Authorisation of ChemicalsDNEL:Derived No-Effect Level (REACH)PNEC:Predicted No-Effect ConcentrationNOEC:No observed effect concentrationLC50:Lethal concentration, 50 percentLD50:Lethal dose, 50 percentSkin Sens.1Skin Sensitisation Category 1Actue Tox:4 acute toxicity, Hazard Category 4STOT SE 3Specific target organ toxicity. Hazard Category 2Eye Irrit.2Serious Eye Damage / Eye Irritation Category 2Eye Irrit.2Serious Eye Damage / Eye Irritation Category 3Flam.Liq.3Flammable liquids, Hazard Category 3Flam.Liq.3Flammable liquids, Hazard Category 3Appratic Chronic 2Hazard pictogram: skull and crossbonesGHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: exclamation markGHS08Hazard pictogram: exclamation markGHS09Hazard pictogram: exclamation markGHS09Hazard pictogram: exclamation markGHS08Hazard pictogram: exclamation markGHS09Hazard pictogram: sclamationMay be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH313:Causes serious eye irritationH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaled			
REACH:Registration Evaluation and Authorisation of ChemicalsDNEL:Derived No-Effect Level (REACH)PNEC:Predicted No-Effect Concentration (REACH)NOEC:No observed effect concentration (REACH)NOEC:Lethal dose, 50 percentLD50:Lethal dose, 50 percentSkin Sens. ISkin Sensitisation Category 1Acute Tox, 4 *Acute toxicity, Hazard Category 4STOT SE 3Specific target organ toxicity. Hazard category 3Resp. Sens. IRespiratory Sensitisation Category 1Skin Irrit. 2Skin corrosion/irritation, Hazard Category 2Eye Irrit. 2Serious Eye Damage / Eye Irritation Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Asp. Tox. IAspiration Hazard Category 1Aquatic Chronic 2Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: skull and crossbonesGHS08Hazard pictogram: exclamation markGHS09Hazard pictogram: nevironmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH315:Causes serious eye irritationH319:Causes an allergic skin reactionH319:Causes an allergic skin reactionH319:Causes an allergic skin reactionH319:Causes an allergic skin reactionH319:May cause an allergic skin reactionH319:May cause an allergic skin reaction </td <td></td> <td>:</td> <td></td>		:	
DNEL:Derived No-Effect Level (REACH)PNEC:Predicted No-Effect Concentration (REACH)NOEC:No observed effect concentration (REACH)NOEC:No observed effect concentrationLC50:Lethal concentration, 50 percentLD50:Lethal dose, 50 percentSkin Sensi.Skin Sensitiation Category 1Acute Tox. 4 *Acute toxicity, Hazard Category 4STOT SE 3Specific target organ toxicity. Hazard category 2Skin Irrit.Skin corrosion/irritation, Hazard Category 2Eye Irrit. 2Serious Eye Damage / Eye Irritation Category 3Acute Tox. 3Acute Toxicity – Inhalation Hazard Category 3Acute Tox. 4Aspiration Hazard Category 1Acute Tox. 3Acute Toxicity – Inhalation Hazard Category 3Asp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazard pictogram: flameGHS02Hazard pictogram: skull and crossbonesGHS05Hazard pictogram: skull and crossbonesGHS06Hazard pictogram: skull andGHS09Hazard pictogram: exclamation markGHS09Hazard pictogram: exclamation markGHS09Hazard pictogram: exclamationBaySangerDargerDargerH312:Harmful in contact with skinH313:Causes skin irritationH314:May use a allergic skin reactionH315:Causes and lengic skin reactionH319:Causes and lengic skin reactionH319:Causes and lengic skin reactionH319:Causes erepiratory irritation </td <td>0.1.0.1</td> <td></td> <td></td>	0.1.0.1		
PNEC:Predicted No-Effect Concentration (REACH)NOEC:No observed effect concentrationLCS0:Lethal concentration, 50 percentLD50:Lethal concentration, 50 percentSkin Sens. ISkin Sensitisation Category 1Acute Tox. 4 *Acute toxicity, Hazard Category 4STOT SE 3Specific target organ toxicity. Hazard category 3Resp. Sens. 1Respiratory Sensitisation Category 1Skin Irrit. 2Skin corrosion/irritation, Hazard Category 2Acute Tox. 3Acute Toxicity – Inhalation Hazard Category 2Acute Tox. 3Acute Toxicity – Inhalation Hazard Category 3Flam. Liq. 3Flammable liquids, Hazard Category 1Aquatic Chronic 2Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: skull and crossbonesGHS08Hazard pictogram: skull and crossbonesGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH312:Harnful in contact with skinH315:Causes skin irritationH319:Causes erious eye irritationH331:Toxic if inhaledH332:Harnful if inhaledH334:May cause an allergi or asthma symptoms or breathing difficulties if inhaledH336:May cause drowsiness or dizzness.			
NOEC:No observed effect concentrationLC50:Lethal concentration, 50 percentLD50:Lethal doxe, 50 percentSkin Sens. ISkin Sensitisation Category 1Acute Tox. 4 *Acute toxicity, Hazard Category 4STOT SE 3Specific target organ toxicity. Hazard category 3Resp. Sens. IRespiratory Sensitisation Category 1Skin II:Skin corrosion/irritation, Hazard Category 2Eye Irrit. 2Serious Eye Damage / Eye Irritation Category 2Acute Tox. 3Acute Toxicity – Inhalation Hazard Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Asp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazardous to the aquatic environment – chronic Category 2GHS06Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: evaluation markGHS08Hazard pictogram: evaluation markGHS09Hazard pictogram: evaluation markGHS04Guase warningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH317:May cause an allergic skin reactionH318:Causes sein irritationH319:Cause serious eye irritationH331:Toxic if inhaledH335:May cause ellergy or asthma symptoms or breathing difficulties if inhaledH335:May cause allergy or asthma symptoms or breathing difficulties if inhaled </td <td></td> <td></td> <td></td>			
LC50:Lethal concentration, 50 percentLD50:Lethal dose, 50 percentSkin Sens. ISkin Sensitisation Category 1Acute Tox. 4 *Acute toxicity, Hazard Category 4STOT SE 3Specific target organ toxicity. Hazard category 3Resp. Sens. IRespiratory Sensitisation Category 1Skin Irrit. 2Skin corisoln/irritation, Hazard Category 2Eye Irrit. 2Serious Eye Damage / Eye Irritation Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Flam. Liq. 3Flammable liquids, Hazard Category 1Aquatic Chronic 2Hazardous to the aquatic environment – chronic Category 2GH502Hazard pictogram: flameGH506Hazard pictogram: skull and crossbonesGH507Hazard pictogram: exclamation markGH508Hazard pictogram: exclamation markGH509Hazard pictogram: exclamation markGH509Hazard pictogram: exclamation markGH501Causes skin irritationH312:Flammable liquid. Vapours form explosive mixtures with airH313:Causes skin irritationH317:May cause an allergic skin reactionH318:Causes skin irritationH319:Causes skin irritationH311:Inarmful i inhaledH332:Harmful i inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH334:May cause drowsiness or dizziness.			
LD50:Lethal dose, 50 percentSkin Sens. 1Skin Sensitisation Category 1Acute Tox. 4 *Acute toxicity, Hazard Category 4STOT SE 3Specific target organ toxicity. Hazard category 3Resp. Sens. 1Respiratory Sensitisation Category 1Skin Irrit. 2Skin corrosion/irritation, Hazard Category 2Eye Irrit. 2Serious Eye Damage / Eye Irritation Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Acute Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: skull and crossbonesGHS08Hazard pictogram: skull and crossbonesGHS09Hazard pictogram: skull and crossbonesGHS09Hazard pictogram: health hazardGHS09Hazard pictogram: health hazardByrDangerNgWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH315:Causes skin irritationH317:May cause an allergic skin reactionH317:May cause and lergic skin reactionH318:Toxic if inhaledH334:May cause allergy or ashma symptoms or breathing difficulties if inhaledH335:May cause drowsiness or dizziness.			
Skin Sens. 1Skin Sensitisation Category 1Acute Tox. 4 *Acute toxicity, Hazard Category 4STOT SE 3Specific target organ toxicity. Hazard category 3Resp. Sens. 1Respiratory Sensitisation Category 1Skin Irrit. 2Skin corrosion/irritation, Hazard Category 2Eye Irrit. 3Serious Eye Damage / Eye Irritation Category 2Acute Tox. 3Acute Toxicity - Inhalation Hazard Category 3Acute Tox. 3Acute Toxicity - Inhalation Hazard Category 3Akp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazard pictogram: flameGHS02Hazard pictogram: skull and crossbonesGHS06Hazard pictogram: skull and crossbonesGHS08Hazard pictogram: exclamation markGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH317:May cause an allergic skin reactionH312:Harmful if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause allergy or asthma symptoms or breathing difficulties if inhaledH336:May cause drowsiness or dizzness.			
Acute Tox. 4 *Acute toxicity, Hazard Category 4STOT SE 3Specific target organ toxicity. Hazard category 3Resp. Sens. 1Respiratory Sensitisation Category 1Skin Irrit. 2Skin corrisoin/irritation, Hazard Category 2Eye Irrit. 2Serious Eye Damage / Eye Irritation Category 2Acute Tox. 3Acute Toxicity – Inhalation Hazard Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Asp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: eclamation markGHS08Hazard pictogram: environmentGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH315:Causes skin irritationH317:May cause an allergic skin reactionH318:Causes serious eye irritationH332:Harmful if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause drowsiness or dizziness.		s. 1	
STOT SE 3Specific target organ toxicity. Hazard category 3Resp. Sens. 1Respiratory Sensitisation Category 1Skin Irrit. 2Skin corrosion/irritation, Hazard Category 2Eye Irrit. 3Serious Eye Damage / Eye Irritation Category 2Acute Tox. 3Acute Toxicity – Inhalation Hazard Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Asp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazardous to the aquatic environment – chronic Category 2GHS02Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: exclanation markGHS08Hazard pictogram: environmentWngWarningDgrDagerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH332:Harmful if inhaledH331:Toxic if inhaledH332:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause drowsiness or dizzness.	Acute To	x. 4 *	• •
Skin Irrit. 2Skin corrosion/irritation, Hazard Category 2Eye Irrit. 2Serious Eye Damage / Eye Irritation Category 2Acute Tox. 3Acute Toxicity – Inhalation Hazard Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Asp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazard pictogram: flameGHS02Hazard pictogram: skull and crossbonesGHS06Hazard pictogram: exclamation markGHS09Hazard pictogram: exclamation markGHS09Hazard pictogram: exclamation markGHS09Hazard pictogram: exclamation markGHS09Bazard pictogram: exclamation markGHS09GHzard pictogram: exclamation markGHS09Bazard pictogram: exclamation markGHS09Bazard pictogram: exclamation markGHS09Bazard pictogram: exclamation markGHS09Bazard pictogram: environmentWngWarningDgrDangerH1226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH3112:Harmful in contact with skinH315:Causes serious eye irritationH319:Causes serious eye irritationH332:Harmful if inhaledH331:Toxic if inhaledH332:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause drowsiness or dizziness.	STOT SE	E 3	Specific target organ toxicity. Hazard category 3
Eye Irrit. 2Serious Eye Damage / Éye Irritation Category 2Acute Tox. 3Acute Toxicity – Inhalation Hazard Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Asp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazardous to the aquatic environment – chronic Category 2GHS02Hazard pictogram: flameGHS04Hazard pictogram: skull and crossbonesGHS05Hazard pictogram: exclamation markGHS08Hazard pictogram: environmentGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH312:Harmful if inhaledH332:Harmful if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause drowsiness or dizziness.	Resp. Ser	ns. 1	Respiratory Sensitisation Category 1
Acute Tox. 3Acute Toxicity – Inhalation Hazard Category 3Flam. Liq. 3Flammable liquids, Hazard Category 3Asp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazardous to the aquatic environment – chronic Category 2GHS02Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: exclamation markGHS08Hazard pictogram: exclamation markGHS09Hazard pictogram: health hazardGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH318:Toxic if inhaledH331:Toxic if inhaledH332:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause drowsiness or dizziness.	Skin Irri	t. 2	Skin corrosion/irritation, Hazard Category 2
Flam. Liq. 3Flammable liquids, Hazard Category 3Asp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazardous to the aquatic environment – chronic Category 2GHS02Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: exclamation markGHS08Hazard pictogram: exclamation markGHS09Hazard pictogram: health hazardGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH318:Toxic if inhaledH331:Toxic if inhaledH335:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause drowsiness or dizziness.	Eye Irrit.	2	Serious Eye Damage / Eye Irritation Category 2
Asp. Tox. 1Aspiration Hazard Category 1Aquatic Chronic 2Hazardous to the aquatic environment – chronic Category 2GHS02Hazard pictogram: flameGHS06Hazard pictogram: exclamation markGHS07Hazard pictogram: exclamation markGHS08Hazard pictogram: exclamation markGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH317:May cause an allergic skin reactionH319:Causes serious eye irritationH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause drowsiness or dizziness.			
Aquatic Chronic 2Hzardous to the aquatic environment – chronic Category 2GHS02Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: exclamation markGHS08Hazard pictogram: health hazardGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH332:Harmful if inhaledH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause drowsiness or dizziness.		-	
GHS02Hazard pictogram: flameGHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: exclamation markGHS08Hazard pictogram: health hazardGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH332:Harmful if inhaledH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause drowsiness or dizziness.	Asp. Tox	. 1	
GHS06Hazard pictogram: skull and crossbonesGHS07Hazard pictogram: exclamation markGHS08Hazard pictogram: health hazardGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH332:Harmful if inhaledH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause drowsiness or dizziness.	Aquatic (Chronic 2	Hazardous to the aquatic environment – chronic Category 2
GHS07Hazard pictogram: exclamation markGHS08Hazard pictogram: health hazardGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH318:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.			
GHS08Hazard pictogram: health hazardGHS09Hazard pictogram: environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH318:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.			
GHS09Hazard pictogram:environmentWngWarningDgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH319:Causes serious eye irritationH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause trespiratory irritationH336:May cause drowsiness or dizziness.			
Wng DgrWarning DangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH319:Causes serious eye irritationH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.	00-0		- 1 0
DgrDangerH226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH315:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH319:Causes serious eye irritationH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.			1 0
H226:Flammable liquid. Vapours form explosive mixtures with airH304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH319:Causes serious eye irritationH332:Harmful if inhaledH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.	0		0
H304May be fatal if swallowed and enters airwaysH312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH319:Causes serious eye irritationH32:Harmful if inhaledH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.	0	FI 1	
H312:Harmful in contact with skinH315:Causes skin irritationH317:May cause an allergic skin reactionH319:Causes serious eye irritationH332:Harmful if inhaledH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.			
H315:Causes skin irritationH317:May cause an allergic skin reactionH319:Causes serious eye irritationH332:Harmful if inhaledH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.			
 H317: May cause an allergic skin reaction H319: Causes serious eye irritation H332: Harmful if inhaled H331: Toxic if inhaled H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled H335: May cause respiratory irritation H336: May cause drowsiness or dizziness. 			
H319:Causes serious eye irritationH332:Harmful if inhaledH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.			
H332:Harmful if inhaledH331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.			
H331:Toxic if inhaledH334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.			
H334:May cause allergy or asthma symptoms or breathing difficulties if inhaledH335:May cause respiratory irritationH336:May cause drowsiness or dizziness.			
H335:May cause respiratory irritationH336:May cause drowsiness or dizziness.			
H336: May cause drowsiness or dizziness.			
		r s	
H411: Toxic to aquatic life with long lasting effects			
	H411:	Toxic to a	equatic life with long lasting effects