

1. Identification

Product identifier L'ORÉAL PROFESSIONNEL INOA PERMANENT HAIR COLOURS - GROUP 1 [RESORCINOL FREE]

Other means of identification

SDS number 80-21-0000491

Recommended use Personal care product used for cosmetic effect.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

US Address: L'Oreal USA Products, Inc
133 Terminal Avenue
Clark, NJ 07066
USA

Canadian Address: L'Oreal Canada
4895 rue Hickmore
Ville St-Laurent, H4T 1K5
Canada

Emergency Phone # : 1-800-535-5053 (International: 352-323-3500)
In Canada - 1-613-996-6666 (Canutec (*666 Cellular))

For further information: 1-732-499-2741

Poison Control # : 412-390-3326

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 1C
Serious eye damage/eye irritation Category 1
Sensitization, skin Category 1A

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage.

Precautionary statement

Prevention Do not breathe mist/vapors. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
MINERAL OIL		8042-47-5	60
ETHANOLAMINE		141-43-5	4.53
OLETH-20		9004-98-2	4
GLYCERIN		56-81-5	1
OLETH-10		9004-98-2	1
TOLUENE-2,5-DIAMINE		95-70-5	0.55
6-HYDROXYINDOLE		2380-86-1	0.23

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Foam. Dry chemicals. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Will burn if involved in a fire. No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

Environmental precautions

7. Handling and storage

Precautions for safe handling

Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat and sources of ignition. Store in tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
ETHANOLAMINE (CAS 141-43-5)	PEL	6 mg/m ³	
		3 ppm	
GLYCERIN (CAS 56-81-5)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.
MINERAL OIL (CAS 8042-47-5)	PEL	5 mg/m ³	Mist.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
GLYCERIN (CAS 56-81-5)	TWA	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
ETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	
	TWA	3 ppm	
MINERAL OIL (CAS 8042-47-5)	TWA	5 mg/m ³	Inhalable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
ETHANOLAMINE (CAS 141-43-5)	STEL	15 mg/m ³	
		6 ppm	
	TWA	8 mg/m ³	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)		3 ppm	
	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
TOLUENE-2,5-DIAMINE (CAS 95-70-5)	TWA	0.025 mg/m ³
		0.005 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines**US WEEL Guides: Skin designation**

TOLUENE-2,5-DIAMINE (CAS 95-70-5) Can be absorbed through the skin.

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Applicable for industrial settings only. Wear safety glasses with side shields (or goggles) and a face shield. Face shield is recommended.

Skin protection

Hand protection Applicable for industrial settings only. Wear appropriate chemical resistant gloves.

Other Applicable for industrial settings only. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection Applicable for industrial settings only. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties**Appearance**

Physical state Liquid.

Form Cream.

Color Not available.

Odor Not available.

Odor threshold Not available.

pH 10.4 - 11.4

Melting point/freezing point Not available.

Initial boiling point and boiling range > 212 °F (> 100 °C)

Flash point > 199.4 °F (> 93.0 °C) Closed Cup

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	>= 0.89 g/cm3
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns. May cause an allergic skin reaction.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns.

Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
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Information on toxicological effects

Acute toxicity	Not known.
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Product	Species	Test Results
L'ORÉAL PROFESSIONNEL INOA PERMANENT HAIR COLOURS - GROUP 1 [RESORCINOL FREE]		
Acute		
Dermal		
ATEmix		34190 mg/kg
Oral		
ATEmix		18400 mg/kg

Components	Species	Test Results
6-HYDROXYINDOLE (CAS 2380-86-1)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg OECD 402
Inhalation		
<i>Aerosol</i>		
LC50	Rat	> 2000 mg/m3, 4 h OECD 403
Oral		
LD50	Rat	600 - 1200 mg/kg
ETHANOLAMINE (CAS 141-43-5)		
Acute		
Dermal		
LD50	Rabbit	2504 mg/kg OECD 402
Inhalation		
<i>Vapor</i>		
LC50	Rat	> 1.3 mg/l, 6 h
Oral		
LD50	Rat	1515 mg/kg OECD 401
GLYCERIN (CAS 56-81-5)		
Acute		
Dermal		
LD50	Rabbit	> 18700 mg/kg bw
Inhalation		
LC50	Rat	> 570 mg/L air, 1 h
Oral		
LD50	Rat	27200 mg/kg bw
MINERAL OIL (CAS 8042-47-5)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg OECD 402
Inhalation		
<i>Aerosol</i>		
LC50	Rat	> 5 mg/L air, 4 h OECD 403
Oral		
LD50	Rat	> 5000 mg/kg OECD 401
TOLUENE-2,5-DIAMINE (CAS 95-70-5)		
Oral		
LD50	Rat	102 mg/kg OECD 401
Acute		
Dermal		
LD50	Rabbit	3520 mg/kg
Inhalation		
<i>Dust</i>		
LC50	Rat	0.99 mg/l, 4 h
Skin corrosion/irritation	Causes severe skin burns and eye damage.	
Irritation Corrosion - Skin		
ETHANOLAMINE	OECD 404	Result: Corrosive
		Species: Rabbit
6-HYDROXYINDOLE	OECD 404	Result: Not Irritating
		Species: Rabbit

Irritation Corrosion - Skin

MINERAL OIL

OECD 404

Result: Not Irritating

Species: Rabbit

TOLUENE-2,5-DIAMINE

OECD 439

Result: Not Irritating

Species: In vitro

GLYCERIN

Result: Not Irritating

Species: Rabbit

OLETH-20

Result: Not Irritating

Species: Rabbit

Serious eye damage/eye irritation

Causes serious eye damage.

Irritation Corrosion - Eye

6-HYDROXYINDOLE

OECD 405

Result: Corrosive

Species: Rabbit

ETHANOLAMINE

OECD 405

Result: Corrosive

Species: Rabbit

TOLUENE-2,5-DIAMINE

OECD 405

Result: Corrosive

Species: Rabbit

MINERAL OIL

OECD 405

Result: Not Irritating

Species: Rabbit

OLETH-20

Result: Irritating

Species: Rabbit

GLYCERIN

Result: Not Irritating

Species: Rabbit

Respiratory or skin sensitization**Respiratory sensitization**

Not a respiratory sensitizer.

Skin sensitization

May cause an allergic skin reaction.

Skin sensitization

GLYCERIN

167 mg/m³ air OECD 413, Inhalation

Result: NOAEL

Species: Rat

Test Duration: 90 d

MINERAL OIL

OECD 406

Result: Not Sensitizing

Species: Guinea pig

6-HYDROXYINDOLE

OECD 429

Result: Sensitizing

Species: Mouse

TOLUENE-2,5-DIAMINE

OECD 429

Result: Sensitizing

Species: Mouse

ETHANOLAMINE

Result: Not Sensitizing

Species: Guinea pig

GLYCERIN

Result: Not Sensitizing

Species: Guinea pig

OLETH-20

Result: Not Sensitizing

Species: Guinea pig

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Mutagenicity

GLYCERIN

Result: In vitro and in vivo tests did not show mutagenic effects.

ETHANOLAMINE

Result: In vitro and in vivo tests did show mutagenic effects

MINERAL OIL

Result: In vitro tests did not show mutagenic effects

OLETH-20

Result: In vitro tests did not show mutagenic effects

TOLUENE-2,5-DIAMINE

Result: In vitro tests showed mutagenic effects which were not observed with in vivo test.

6-HYDROXYINDOLE

Result: In vitro tests showed mutagenic effects which were not observed with in vivo tests.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

MINERAL OIL (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

TOLUENE-2,5-DIAMINE (CAS 95-70-5) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Developmental effects

MINERAL OIL > 5000 mg/kg bw/d OECD 414, No effects on development
Result: NOAEL
Species: Rat

ETHANOLAMINE >= 450 mg/kg bw/d OECD 414
Result: NOAEL
Species: Rat

GLYCERIN 1310 mg/kg bw/d, No effects on development
Result: NOAEL
Species: Rat

TOLUENE-2,5-DIAMINE 50 mg/kg bw/d OECD 414, Based on test data for structurally similar materials.
Result: NOAEL
Species: Rat

6-HYDROXYINDOLE 50 mg/kg bw/d
Result: NOAEL
Species: Rat

Reproductivity

MINERAL OIL >= 2000 mg/kg bw/d OECD 415, No effects on fertility
Result: NOAEL
Species: Rat

TOLUENE-2,5-DIAMINE >= 45 mg/kg bw/d OECD 416, Based on test data for structurally similar materials.
Result: NOAEL
Species: Rat

GLYCERIN 2000 mg/kg bw/d, No effects on fertility
Result: NOAEL
Species: Rat

ETHANOLAMINE 300 mg/kg bw/d OECD 416
Result: NOAEL
Species: Rat

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

MINERAL OIL > 2000 mg/kg bw/d OECD 411, Dermal
Result: NOAEL
Species: Rat
Test Duration: 90 d

TOLUENE-2,5-DIAMINE > 50 mg/m³ air OECD 412, Inhalation
Result: NOAEC
Species: Rat
Test Duration: 28 d

6-HYDROXYINDOLE >= 1200 mg/kg bw/d OECD 453, Oral
Result: NOAEL
Species: Rat
Test Duration: 2 years

TOLUENE-2,5-DIAMINE 10 mg/kg bw/d OECD 408, Oral
Result: NOAEL
Species: Rat
Test Duration: 90 d

6-HYDROXYINDOLE 100 mg/kg bw/d OECD 408, Oral
Result: NOAEL
Species: Rat
Test Duration: 90 d

Specific target organ toxicity - repeated exposure

ETHANOLAMINE

150 mg/m³ air OECD 412, Inhalation

Result: NOAEC

Species: Rat

Test Duration: 28 d

300 mg/kg bw/d OECD 416, Oral

Result: NOAEL

Species: Rat

GLYCERIN

8000 mg/kg bw/d, Oral

Result: NOAEL

Species: Rat

Test Duration: 2 yr

Aspiration hazard

Not an aspiration hazard.

Chronic effects

May be harmful if absorbed through skin.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

Further information

May cause allergic respiratory and skin reactions. The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
6-HYDROXYINDOLE (CAS 2380-86-1)		
<i>Acute</i>		
Aquatic		
<i>Acute</i>		
Algae	Desmodesmus subspicatus	9.1 mg/l, 72 h
Crustacea	EC50 Daphnia magna	1.74 mg/l, 48 h
Fish	LC50 Danio rerio	21.7 mg/l, 96 h
Other	IC50 Activated sludge of a predominantly domestic sewage	> 0.9 mg/l, 3 d
ETHANOLAMINE (CAS 141-43-5)		
Aquatic		
<i>Acute</i>		
Algae	EC50 Pseudokirchneriella subcapitata	2.8 mg/l, 72 h OECD 201
Crustacea	EC50 Daphnia magna	65 mg/l, 48 h EU C.2
Fish	LC50 Cyprinus carpio	349 mg/l, 96 h EU C.1
Other	EC10 Activated sludge of a predominantly domestic sewage	> 1000 mg/l, 30 min OECD 209
<i>Chronic</i>		
Crustacea	NOEC Daphnia magna	0.85 mg/l, 21 d OECD 211
Fish	NOEC Oryzias latipes	1.24 mg/l, 41 d OECD 210
GLYCERIN (CAS 56-81-5)		
Aquatic		
<i>Acute</i>		
Algae	EC0 Scenedesmus quadricauda	> 10000 mg/l, 192 h
Crustacea	EC50 Daphnia magna	1955 mg/l, 48 h
Fish	LC50 Oncorhynchus mykiss	54000 mg/l, 96 h
Other	NOEC Pseudomonas putida	> 10000 mg/l, 16 h

Components	Species	Test Results
MINERAL OIL (CAS 8042-47-5)		
Aquatic		
<i>Acute</i>		
Algae	NOEL	Pseudokirchneriella subcapitata > 100 mg/l, 72 h OECD 201
Crustacea	EL50	Daphnia magna > 100 mg/l, 48 h OECD 202
Fish	LL50	Oncorhynchus mykiss > 100 mg/l, 96 h OECD 203
<i>Chronic</i>		
Crustacea	NOEC	Daphnia magna 10 mg/l, 21 d OECD 211
OLETH-20 (CAS 9004-98-2)		
Aquatic		
<i>Acute</i>		
Fish	LC50	Oncorhynchus mykiss 4.7 mg/l, 96 h
Other	IC50	Pseudomonas aeruginosa > 10000 mg/l, 6 h
TOLUENE-2,5-DIAMINE (CAS 95-70-5)		
Aquatic		
<i>Acute</i>		
Algae	EC50	Pseudokirchneriella subcapitata 1.02 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna 0.491 mg/l, 48 h OECD 202
Fish	LC50	Oryzias latipes 0.05 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage 3.75 mg/l, 3 h OECD 209
<i>Chronic</i>		
Algae	NOEC	Pseudokirchneriella subcapitata 0.11 mg/l, 72 h OECD 201

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

6-HYDROXYINDOLE
ETHANOLAMINE

Result: Not Readily Biodegradable
> 90 % OECD 301 A
Result: Readily Biodegradable
Test Duration: 21 d

GLYCERIN

OECD 301
Result: Readily Biodegradable

MINERAL OIL

31 % OECD 301 F
Result: Not Readily Biodegradable
17 % OECD 301 D
Result: Not Readily Biodegradable
Test Duration: 28 d

TOLUENE-2,5-DIAMINE

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

6-HYDROXYINDOLE
ETHANOLAMINE
GLYCERIN
TOLUENE-2,5-DIAMINE

1.46 EU A.8
-2.3 OECD 107
-1.76
-0.321 OECD 107

Bioaccumulation

ETHANOLAMINE
TOLUENE-2,5-DIAMINE

Result: Bioaccumulation is unlikely.
Result: Bioaccumulation is unlikely.

Mobility in soil

No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

FINISHED GOODS

UN number UN1760
UN proper shipping name CORROSIVE LIQUID, N.O.S. (ETHANOLAMINE), Limited Quantity
Class 8
Packing group III
Transport hazard class(es)
Label(s) Limited Quantity
Packaging exceptions 154

BULK

UN number UN1760
UN proper shipping name CORROSIVE LIQUID, N.O.S. (ETHANOLAMINE)
Class 8
Packing group III
Transport hazard class(es)
Label(s) 8
Special provisions IB3, T7, TP1, TP28
Packaging non bulk 203

IATA

FINISHED GOODS

UN number UN1760
UN proper shipping name CORROSIVE LIQUID, N.O.S. (ETHANOLAMINE)
Class 8
Packing group III
Transport hazard class(es)
Label(s) Class 8, Limited Quantity
ERG Number 8L

BULK

UN number UN1760
UN proper shipping name CORROSIVE LIQUID, N.O.S. (ETHANOLAMINE)
Class 8
Packing group III
ERG Number 8L

IMDG

FINISHED GOODS

UN number UN1760
UN proper shipping name CORROSIVE LIQUID, N.O.S. (ETHANOLAMINE), Limited Quantity
Class 8
Packing group III
Environmental Hazards
Marine pollutant No.
Transport hazard class(es)
Label(s) Limited Quantity
EmS F-A, S-B
LTD QTY Net Inner Capacity 5.00 L

BULK

UN number UN1760
UN proper shipping name CORROSIVE LIQUID, N.O.S. (ETHANOLAMINE)
Class 8
Packing group III
Environmental hazards
Marine pollutant No.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

TOLUENE-2,5-DIAMINE (CAS 95-70-5) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No (Exempt)

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
TOLUENE-2,5-DIAMINE	95-70-5	0.55

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

GLYCERIN (CAS 56-81-5) Other Flavoring Substances with OSHA PEL's

16. Other information, including date of preparation or last revision

Issue date 06-29-2022

Version # 01

NFPA ratings Health: 3
Flammability: 1
Instability: 0

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 considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.