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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name : Valvoline™ DEX/MERC Automatic Transmission Fluid

Recommended use of the chemical and restrictions on use

Details of the supplier of the safety data sheet Valvoline LLC 3499 Blazer Parkway Lexington, KY 40509 United States of America SDS@valvoline.com	Emergency telephone number 1-800-VALVOLINE Regulatory Information Number 1-800-TEAMVAL Product Information 1-800-TEAMVAL
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SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Other hazards which do not result in classification

No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture


Chemical nature : Defatter

SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : If breathed in, move person into fresh air.
If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : First aid is not normally required. However, it is

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recommended that exposed areas be cleaned by washing with soap and water.

- In case of eye contact : Remove contact lenses.
Protect unharmed eye.
- If swallowed : Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.
- Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
stomach or intestinal upset (nausea, vomiting, diarrhea)
irritation (nose, throat, airways)
- Notes to physician : No hazards which require special first aid measures.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam
Carbon dioxide (CO₂)
Dry chemical
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : carbon dioxide and carbon monoxide
Hydrocarbons
- Specific extinguishing methods : Standard procedure for chemical fires.

Product is compatible with standard fire-fighting agents.

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Special protective equipment : In the event of fire, wear self-contained breathing apparatus. for firefighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Comply with all applicable federal, state, and local regulations.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8.
- Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : No materials to be especially mentioned.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3	MY OEL

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			Mist.	
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		PSD (Mist.)	10 mg/m3 Mist.	ID OEL
		TWA	5 mg/m3	AU NOEL
		TWA (Inhalable fraction.)	5 mg/m3 Inhalable fraction.	PY OEL
		(Inhalable fraction.)		PY OEL
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL



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		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		PSD (Mist.)	10 mg/m3 Mist.	ID OEL
		TWA	5 mg/m3	AU NOEL
		TWA (Inhalable fraction.)	5 mg/m3 Inhalable fraction.	PY OEL
		(Inhalable fraction.)		PY OEL
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL



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		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3	NZ OEL

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			Mist.	
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		PSD (Mist.)	10 mg/m3 Mist.	ID OEL
		TWA	5 mg/m3	AU NOEL
		TWA (Inhalable fraction.)	5 mg/m3 Inhalable fraction.	PY OEL
		(Inhalable fraction.)		PY OEL
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
HYDROTREATED LIGHT	64742-55-8	(Mist.)		IN OEL

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PARAFFINIC DISTILLATE		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		PSD (Mist.)	10 mg/m3 Mist.	ID OEL
		TWA	5 mg/m3	AU NOEL
		TWA (Inhalable fraction.)	5 mg/m3 Inhalable fraction.	PY OEL
		(Inhalable fraction.)		PY OEL
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL

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		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		PSD (Mist.)	10 mg/m3 Mist.	ID OEL

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		TWA	5 mg/m3	AU NOEL
		TWA (Inhalable fraction.)	5 mg/m3 Inhalable fraction.	PY OEL
		(Inhalable fraction.)		PY OEL
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL



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		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		PSD (Mist.)	10 mg/m3 Mist.	ID OEL
		TWA	5 mg/m3	AU NOEL
		TWA (Inhalable fraction.)	5 mg/m3 Inhalable fraction.	PY OEL
		(Inhalable fraction.)		PY OEL
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3	HK OEL

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		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3	MY OEL

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			Mist.	
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		PSD (Mist.)	10 mg/m3 Mist.	ID OEL
		TWA	5 mg/m3	AU NOEL
		TWA (Inhalable fraction.)	5 mg/m3 Inhalable fraction.	PY OEL
		(Inhalable fraction.)		PY OEL
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL

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		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		PSD (Mist.)	10 mg/m3 Mist.	ID OEL
		TWA	5 mg/m3	AU NOEL
		TWA (Inhalable fraction.)	5 mg/m3 Inhalable fraction.	PY OEL
		(Inhalable fraction.)		PY OEL
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL

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		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL

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		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3	NZ OEL



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			Mist.	
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL



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		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL

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	TWA (Mist.)	5 mg/m3 Mist.	MY OEL
	(Mist.)		MY OEL
	TWA (Mist.)	5 mg/m3 Mist.	HK OEL
	STEL (Mist.)	10 mg/m3 Mist.	HK OEL
	(Mist.)		HK OEL
	(Mist.)		ID OEL
	TWA (Mist.)	5 mg/m3 Mist.	AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
	STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
	TWA (Mist.)	5 mg/m3 Mist.	VN OEL
	STEL (Mist.)	10 mg/m3 Mist.	VN OEL
	NAB (Mist.)	5 mg/m3 Mist.	ID OEL
	PSD (Mist.)	10 mg/m3 Mist.	ID OEL
	TWA	5 mg/m3	AU NOEL
	TWA (Inhalable fraction.)	5 mg/m3 Inhalable fraction.	PY OEL
	(Inhalable fraction.)		PY OEL
MINERAL OIL	(Mist.)		AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
	STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
	(Mist.)		NZ OEL
	TWA (Mist.)	5 mg/m3 Mist.	VN OEL
	STEL (Mist.)	10 mg/m3 Mist.	VN OEL
	(Mist.)		VN OEL
	(Mist.)		IN OEL
	TWA (Mist.)	5 mg/m3 Mist.	IN OEL
	STEL (Mist.)	10 mg/m3 Mist.	IN OEL
	TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
	(Mist.)		PH OEL
	TWA (Mist.)	5 mg/m3	MY OEL



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			Mist.	
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL

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		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3	HK OEL



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			Mist.	
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL



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		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL



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	(Mist.)		HK OEL
	(Mist.)		ID OEL
	NAB (Mist.)	5 mg/m3 Mist.	ID OEL
	TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL	(Mist.)		AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
	STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
	(Mist.)		NZ OEL
	TWA (Mist.)	5 mg/m3 Mist.	VN OEL
	STEL (Mist.)	10 mg/m3 Mist.	VN OEL
	(Mist.)		VN OEL
	(Mist.)		IN OEL
	TWA (Mist.)	5 mg/m3 Mist.	IN OEL
	STEL (Mist.)	10 mg/m3 Mist.	IN OEL
	TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
	(Mist.)		PH OEL
	TWA (Mist.)	5 mg/m3 Mist.	MY OEL
	(Mist.)		MY OEL
	TWA (Mist.)	5 mg/m3 Mist.	HK OEL
	STEL (Mist.)	10 mg/m3 Mist.	HK OEL
	(Mist.)		HK OEL
	(Mist.)		ID OEL
	NAB (Mist.)	5 mg/m3 Mist.	ID OEL
	TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL	(Mist.)		AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
	STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
	(Mist.)		NZ OEL
	TWA (Mist.)	5 mg/m3 Mist.	VN OEL
	STEL (Mist.)	10 mg/m3 Mist.	VN OEL
	(Mist.)		VN OEL



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	(Mist.)		IN OEL
	TWA (Mist.)	5 mg/m3 Mist.	IN OEL
	STEL (Mist.)	10 mg/m3 Mist.	IN OEL
	TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
	(Mist.)		PH OEL
	TWA (Mist.)	5 mg/m3 Mist.	MY OEL
	(Mist.)		MY OEL
	TWA (Mist.)	5 mg/m3 Mist.	HK OEL
	STEL (Mist.)	10 mg/m3 Mist.	HK OEL
	(Mist.)		HK OEL
	(Mist.)		ID OEL
	NAB (Mist.)	5 mg/m3 Mist.	ID OEL
	TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL	(Mist.)		AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
	STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
	(Mist.)		NZ OEL
	TWA (Mist.)	5 mg/m3 Mist.	VN OEL
	STEL (Mist.)	10 mg/m3 Mist.	VN OEL
	(Mist.)		VN OEL
	(Mist.)		IN OEL
	TWA (Mist.)	5 mg/m3 Mist.	IN OEL
	STEL (Mist.)	10 mg/m3 Mist.	IN OEL
	TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
	(Mist.)		PH OEL
	TWA (Mist.)	5 mg/m3 Mist.	MY OEL
	(Mist.)		MY OEL
	TWA (Mist.)	5 mg/m3 Mist.	HK OEL
	STEL (Mist.)	10 mg/m3 Mist.	HK OEL
	(Mist.)		HK OEL
	(Mist.)		ID OEL
	NAB (Mist.)	5 mg/m3	ID OEL



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			Mist.	
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL



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		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL

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		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH	5 mg/m3	PH OEL



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	(Mist.)	Mist.	
	(Mist.)		PH OEL
	TWA (Mist.)	5 mg/m3 Mist.	MY OEL
	(Mist.)		MY OEL
	TWA (Mist.)	5 mg/m3 Mist.	HK OEL
	STEL (Mist.)	10 mg/m3 Mist.	HK OEL
	(Mist.)		HK OEL
	(Mist.)		ID OEL
	NAB (Mist.)	5 mg/m3 Mist.	ID OEL
	TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL	(Mist.)		AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
	STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
	(Mist.)		NZ OEL
	TWA (Mist.)	5 mg/m3 Mist.	VN OEL
	STEL (Mist.)	10 mg/m3 Mist.	VN OEL
	(Mist.)		VN OEL
	(Mist.)		IN OEL
	TWA (Mist.)	5 mg/m3 Mist.	IN OEL
	STEL (Mist.)	10 mg/m3 Mist.	IN OEL
	TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
	(Mist.)		PH OEL
	TWA (Mist.)	5 mg/m3 Mist.	MY OEL
	(Mist.)		MY OEL
	TWA (Mist.)	5 mg/m3 Mist.	HK OEL
	STEL (Mist.)	10 mg/m3 Mist.	HK OEL
	(Mist.)		HK OEL
	(Mist.)		ID OEL
	NAB (Mist.)	5 mg/m3 Mist.	ID OEL
	TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL	(Mist.)		AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	AU OEL
	TWA (Mist.)	5 mg/m3	NZ OEL

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			Mist.	
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3	MY OEL



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			Mist.	
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
MINERAL OIL		(Mist.)		AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL

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		(Mist.)		NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		(Mist.)		VN OEL
		(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		TWA (Mist.)	5 mg/m3	OEL (QUE)
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		TWA (Mist.)	5 mg/m3	VN OEL

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			Mist.	
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		PSD (Mist.)	10 mg/m3 Mist.	ID OEL
		TWA	5 mg/m3	AU NOEL
		TWA (Inhalable fraction.)	5 mg/m3 Inhalable fraction.	PY OEL
		(Inhalable fraction.)		PY OEL
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	(Mist.)		IN OEL
		TWA (Mist.)	5 mg/m3 Mist.	IN OEL
		STEL (Mist.)	10 mg/m3 Mist.	IN OEL
		TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
		(Mist.)		PH OEL
		TWA (Mist.)	5 mg/m3 Mist.	MY OEL
		(Mist.)		MY OEL
		TWA (Mist.)	5 mg/m3 Mist.	HK OEL
		STEL (Mist.)	10 mg/m3 Mist.	HK OEL
		(Mist.)		HK OEL
		(Mist.)		ID OEL
		TWA (Mist.)	5 mg/m3 Mist.	AU OEL
		TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
		STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
		TWA (Mist.)	5 mg/m3 Mist.	VN OEL
		STEL (Mist.)	10 mg/m3 Mist.	VN OEL
		NAB (Mist.)	5 mg/m3 Mist.	ID OEL
		PSD (Mist.)	10 mg/m3 Mist.	ID OEL
		TWA	5 mg/m3	AU NOEL
		TWA (Inhalable fraction.)	5 mg/m3 Inhalable fraction.	PY OEL
		(Inhalable fraction.)		PY OEL

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MINERAL OIL	(Mist.)		AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	AU OEL
	TWA (Mist.)	5 mg/m3 Mist.	NZ OEL
	STEL (Mist.)	10 mg/m3 Mist.	NZ OEL
	(Mist.)		NZ OEL
	TWA (Mist.)	5 mg/m3 Mist.	VN OEL
	STEL (Mist.)	10 mg/m3 Mist.	VN OEL
	(Mist.)		VN OEL
	(Mist.)		IN OEL
	TWA (Mist.)	5 mg/m3 Mist.	IN OEL
	STEL (Mist.)	10 mg/m3 Mist.	IN OEL
	TWA_PH (Mist.)	5 mg/m3 Mist.	PH OEL
	(Mist.)		PH OEL
	TWA (Mist.)	5 mg/m3 Mist.	MY OEL
	(Mist.)		MY OEL
	TWA (Mist.)	5 mg/m3 Mist.	HK OEL
	STEL (Mist.)	10 mg/m3 Mist.	HK OEL
	(Mist.)		HK OEL
	(Mist.)		ID OEL
	NAB (Mist.)	5 mg/m3 Mist.	ID OEL
	TWA (Mist.)	5 mg/m3	OEL (QUE)


Engineering measures : General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Eye protection : Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection : Wear as appropriate:

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Safety shoes

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid

Colour : red

Odour : hydrocarbon-like

Odour Threshold : No data available

pH : No data available

: No data available

: No data available

Flash point : > 199 °C Method: Cleveland open cup

Evaporation rate : > 1
Ethyl Ether

Flammability (solid, gas) : No data available

Upper explosion limit : 6 %(V)
GLP: Calculated Explosive Limit

Lower explosion limit : 1 %(V)
GLP: Calculated Explosive Limit

Vapour pressure : 0.0133333 hPa (21.11 °C)
Calculated Vapor Pressure

Relative vapour density : No data available

Relative density : 7.29 (15.6 °C)


Density : 0.862 g/cm³ (15.56 °C)

Solubility(ies)

Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

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Thermal decomposition : No data available

Viscosity
 Viscosity, dynamic : No data available

Viscosity, kinematic : ca. 43 mm²/s (40 °C)

Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Product will not undergo hazardous polymerization.

Conditions to avoid : excessive heat

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : carbon dioxide and carbon monoxide
Hydrocarbons

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Components:

ALKOXYLATED LONG-CHAIN ALKYL AMINE:

Acute oral toxicity : Assessment: The component/mixture is classified as acute oral toxicity, category 4.

Skin corrosion/irritation

Not classified based on available information.

Product:

Result: Repeated exposure may cause skin dryness or cracking.

Components:


HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Result: Mildly irritating to skin

MINERAL OIL:

Result: Mildly irritating to skin

METHACRYLATE COPOLYMER:

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Result: Not irritating to skin

ALKOXYLATED LONG-CHAIN ALKYL AMINE:

Result: Corrosive to skin

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: Unlikely to cause eye irritation or injury.

Components:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Result: Mildly irritating to eyes

MINERAL OIL:

Result: Mildly irritating to eyes

METHACRYLATE COPOLYMER:

Result: Irritating to eyes

ALKOXYLATED LONG-CHAIN ALKYL AMINE:

Result: Corrosive to eyes

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Product:

Assessment: Does not cause skin sensitisation.

Components:

ALKOXYLATED LONG-CHAIN ALKYL AMINE:

Assessment: May cause sensitization by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.


Product:

No aspiration toxicity classification

Components:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

May be fatal if swallowed and enters airways.

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Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

ALKOXYLATED LONG-CHAIN ALKYL AMINE:

Ecotoxicology Assessment

Acute aquatic toxicity : Harmful to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Contaminated packaging : Empty remaining contents.

SECTION 14. TRANSPORT INFORMATION


International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

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INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

UN DG

Not dangerous goods

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant	no
------------------	----

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
 Brazil. Controlled products for the Army (Decree No. 3665, Annex I) : Neither banned nor restricted

Brazil. Drug Precursors (Ordinance No. 1.274, Appendix 1, Lists I - IV) : Neither banned nor restricted


Other international regulations

The components of this product are reported in the following inventories:

- TSCA : On TSCA Inventory
- DSL : All components of this product are on the Canadian DSL.
- AICS : On the inventory, or in compliance with the inventory
- ENCS : On the inventory, or in compliance with the inventory
- KECI : On the inventory, or in compliance with the inventory
- PICCS : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

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SECTION 16. OTHER INFORMATION

Further information

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Full text of H-Statements referred to under sections 2 and 3.

Sources of key data used to compile the Safety Data Sheet
 Valvoline internal data including own and sponsored test reports
 The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists
 BEI : Biological Exposure Index
 CAS : Chemical Abstracts Service (Division of the American Chemical Society).
 CMR : Carcinogenic, Mutagenic or Toxic for Reproduction
 FG : Food grade
 GHS : Globally Harmonized System of Classification and Labeling of Chemicals.
 H-statement : Hazard Statement
 IATA : International Air Transport Association.
 IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization
 ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"
 IMDG : International Maritime Code for Dangerous Goods
 ISO : International Organization for Standardization
 logPow : octanol-water partition coefficient
 LCxx : Lethal Concentration, for xx percent of test population
 LDxx : Lethal Dose, for xx percent of test population.
 ICxx : Inhibitory Concentration for xx of a substance
 Ecxx : Effective Concentration of xx
 N.O.S.: Not Otherwise Specified
 OECD : Organization for Economic Co-operation and Development
 OEL : Occupational Exposure Limit
 P-Statement : Precautionary Statement
 PBT : Persistent , Bioaccumulative and Toxic
 PPE : Personal Protective Equipment
 STEL : Short-term exposure limit
 STOT : Specific Target Organ Toxicity
 TLV : Threshold Limit Value
 TWA : Time-weighted average
 vPvB : Very Persistent and Very Bioaccumulative
 WEL : Workplace Exposure Level

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