



Material Safety Data Sheet

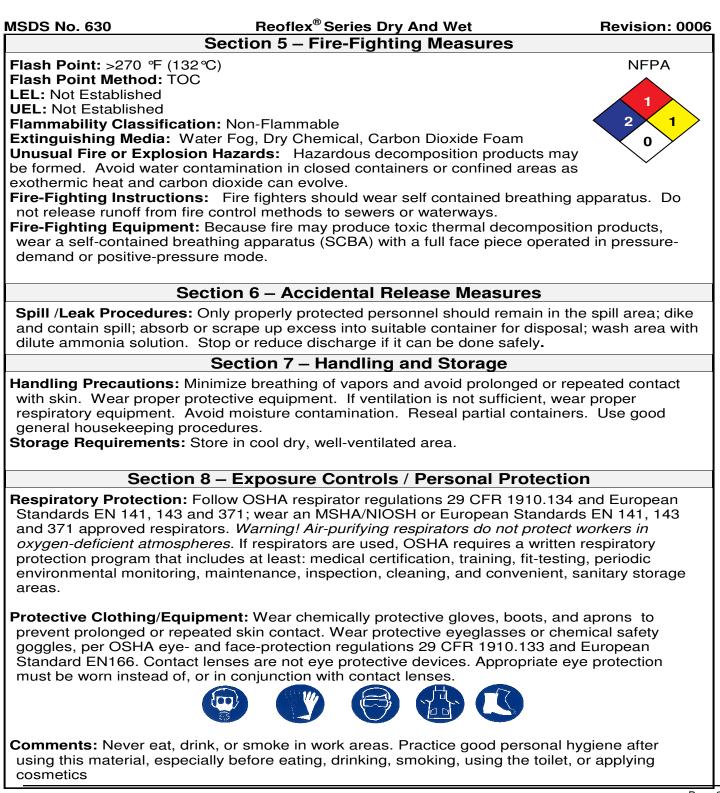
Reoflex[®] Series Dry and Wet

MSDS No. 630

Date of Preparation: February 18, 2014

Revision: 0006



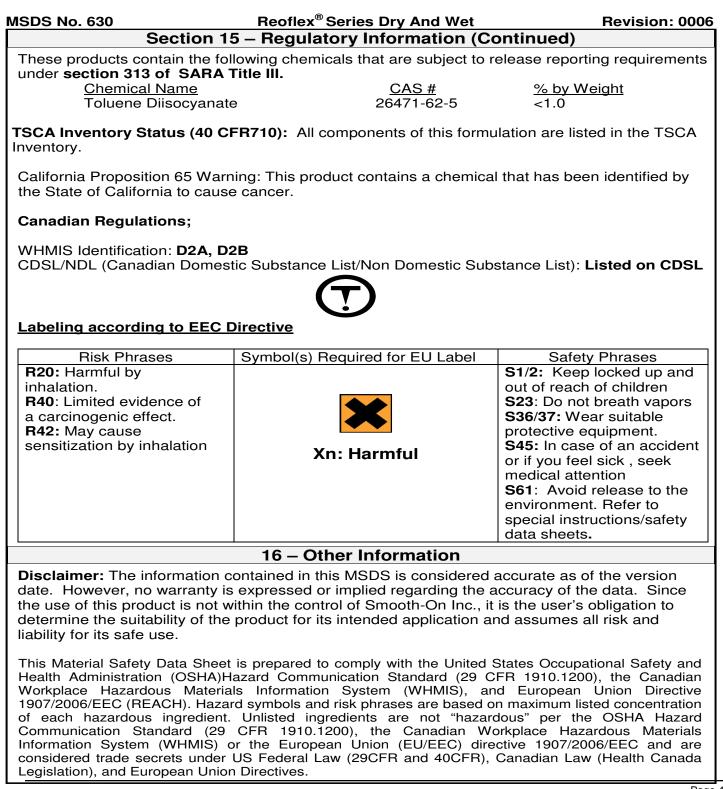


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ISDS No. 630	Reoflex [®] Series Dry and	Wet Revision: 000
Section 9	9 – Physical and Chemi	cal Properties
Physical State: Liquid Appearance : Clear yellow vi Odor : Sharp pungent odor Vapor Pressure: None (Polym Vapor Density (Air=1): >1 Specific Gravity (H2O=1, at 4	scous liquid Boiling Po % Volatile heric Resin) Freezing/M Resin)	elting Point: None (Polymeric
Sect	tion 10 – Stability and F	Reactivity
storage and handling conditions Polymerization: Hazardous pol Chemical Incompatibilities: St Conditions to Avoid: Avoid cor Isocyanates.	s. ymerization can occur. rong bases, water, amines, a ntamination with water and o oducts: TDI vapors, hydroge	closed containers under normal alcohols. ther materials that react with on cyanide gas, oxides of nitrogen,
	on 11- Toxicological In	formation
Hazardous Component	LD50 Oral	LC50 Inhalation
Toluene Diisocyanate (TDI)	Rat: 5800 mg/kg	Rat: 140ppm/4hr. Mouse: 10ppm/4hr.
None Established	tion 12 – Ecological Inf	ormation
Secti	on 13 – Disposal Cons	iderations
Disposal: These materials mus	-	
DOT	<u>ction 14 – Transport Info</u> IATA	IMDG
Not Regulated	Not Regulated	Not Regulated
	ion 15 – Regulatory Inf	
United States EPA Regulatio		
CERCLA Hazardous Substan Sec. 311 (b)(4); CWA, Sec. 307 Chemical Name Toluene Diisocyanate SARA EHS (Extremely Hazard Chemical Name Toluene Diisocyanate	7(a), CAA, Sec. 112 <u>RQ</u> 100 lbs. dous Substance) (40 CFR 3 <u>CAS #</u>	ecific per RCRA, Sec. 3001; CWA, <u>% Reportable Component</u> <1.0 55): <u>% by Weight</u> <1.0

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General Use Manufacture		stomer , 2000 St. John S 2-5800, FAX (61	St., Easton PA ⁻		
Emergency	Contact: Chem-Te Domestic	el 800-255-3924			
	International				
	Se	ection 2- Haza	ards Identific	ation	
Hazard De	signation:				
1	Europe		Canada	a	
	×	*	Ţ)	HMIS H 2 F 1 R 0
	Xn: Harmful	N: Dangerous			
R21/22: Ha R36: Irritatir R48/22: Ha R50/53: Ver	rmful: danger of ser ry toxic to aquatic o	h skin and if swa rious damage to	llowed. health by proloi	nged exposure if sw adverse effects in th	vallowed. ne aquatic
R21/22: Ha R36: Irritatir R48/22: Ha R50/53: Ver environmen	rmful in contact with ng to eyes. rmful: danger of ser ry toxic to aquatic o t. according to Artic	icular dangers h skin and if swa rious damage to rganisms may ca les 6 & 7 of Dire	llowed. health by prolor ause long term ective 1999/45/	adverse effects in th	ne aquatic
R21/22: Ha R36: Irritatir R48/22: Ha R50/53: Ver environmen Classified a	rmful in contact with ng to eyes. rmful: danger of ser ry toxic to aquatic o t. according to Artic Section 3 – 0	icular dangers h skin and if swa rious damage to rganisms may ca les 6 & 7 of Dire	llowed. health by prolor ause long term ective 1999/45/	adverse effects in th EC I on Ingredients	ne aquatic
R21/22: Ha R36: Irritatir R48/22: Ha R50/53: Ver environmen Classified a diisono CAS Num	rmful in contact with ng to eyes. rmful: danger of ser ry toxic to aquatic o t. according to Artic	icular dangers In skin and if swa rious damage to rganisms may ca les 6 & 7 of Dire Composition	llowed. health by prolor ause long term ective 1999/45/ / Information	adverse effects in th	ne aquatic
R21/22: Ha R36: Irritatin R48/22: Hat R50/53: Ver environmen Classified a diisono CAS Nun EINECS N diethylt CAS Nu	rmful in contact with ng to eyes. rmful: danger of ser ry toxic to aquatic o t. according to Artic Section 3 – C omponent onyl phthalate nber: 68515-48-0	icular dangers n skin and if swa rious damage to rganisms may ca les 6 & 7 of Dire Composition ACGIH TWA None	llowed. health by prolor ause long term ective 1999/45/ / Information OSHA PEL None	adverse effects in th EC on Ingredients Hazard Designation	ne aquatic Weight Perc (%)

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Section 4 - First Aid Measures	
source(s) of contamination and move victim to fresh a eyes with plenty of water. If irritation persists, seek me e of skin contact, wash thoroughly with soap and wate g and launder before reuse. duce vomiting unless instructed by a physician. Cont	dical attention. er; remove
propriate in-plant paramedic or community med	ical sunnort
	NFPA
PMCC ication: Non-Flammable water Fog, Dry Chemical, and Carbon Dioxide Foar losion Hazards: None stions: Fire fighters should wear self-contained breath ease runoff from fire control methods to sewers or wa nent: Because fire may produce toxic thermal decomp -contained breathing apparatus (SCBA) with a full fac	m ning tterways. position
4	
I. Stop or reduce discharge if it can be done safely. ments: Follow applicable OSHA regulations (29 CFR	
Section 7 - Handling and Storage	
s: Minimize breathing of vapors and avoid prolonged ber protective equipment. If ventilation is not sufficient at. Use good general housekeeping procedures. hts: Store in cool dry, well-ventilated area.	
tion 8 - Exposure Controls / Personal Prote	ection
on: Follow OSHA respirator regulations 29 CFR 1910 43 and 371; wear an MSHA/NIOSH or European States pirators. <i>Warning! Air-purifying respirators do not pro</i> <i>cospheres.</i> If respirators are used, OSHA requires a w nat includes at least: medical certification, training, fit- poring, maintenance, inspection, cleaning, and convent	0.134 and European ndards EN 141, 143 <i>ptect workers in</i> ritten respiratory testing, periodic
Equipment: Wear chemically protective gloves, boots repeated skin contact. Wear protective eyeglasses o eye- and face-protection regulations 29 CFR 1910.133 intact lenses are not eye protective devices. Appropria d of, or in conjunction with contact lenses.	r chemical safety 3 and European
	Section 4 - First Aid Measures source(s) of contamination and move victim to fresh a yes with plenty of water. If irritation persists, seek me of skin contact, wash thoroughly with soap and wate g and launder before reuse. luce vomiting unless instructed by a physician. Cont propriate in-plant, paramedic, or community med Section 5 - Fire-Fighting Measures (132 °C) PMCC iscation: Non-Flammable : Water Fog, Dry Chemical, and Carbon Dioxide Foar osion Hazards: None tions: Fire fighters should wear self-contained breath ease runoff from fire control methods to sewers or wa nent: Because fire may produce toxic thermal decom- contained breathing apparatus (SCBA) with a full fac positive-pressure mode. Section 6 - Accidental Release Measures res: Dike and contain spill; absorb or scrape up excet . Stop or reduce discharge if it can be done safely. ments: Follow applicable OSHA regulations (29 CFR Section 7 - Handling and Storage s: Minimize breathing of vapors and avoid prolonged er protective equipment. If ventilation is not sufficient t. Use good general housekeeping procedures. ts: Store in cool dry, well-ventilated area. tion 8 - Exposure Controls / Personal Protect on: Follow OSHA respirator regulations 29 CFR 1910 43 and 371; wear an MSHA/NIOSH or European Stat spirators. Warning! Air-purifying respirators do not pro ospheres. If respirators are used, OSHA requires a w that includes at least: medical certification, training, fit- pring, maintenance, inspection, cleaning, and convent equipment: Wear chemically protective gloves, boots repeated skin contact. Wear protective eyeglasses o eye- and face-protection regulations 29 CFR 1910.133 intact lenses are not eye protective devices. Appropriate

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Section 8 - Exposure Controls / Personal Protection (continued)

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics

Section 9 - Physical and Chemical Properties

Physical State: Liquid Appearance : Off White-Light Yellow Odor : Sharp pungent odor Vapor Pressure: None (Polymeric Resin) Vapor Density (Air=1): >1 Specific Gravity (H₂O=1, at 4 °C): 1.01

Water Solubility: Negligible: Boiling Point: None (Polymeric Resin) % Volatile: Nil Freezing/Melting Point: None Determined Viscosity: 3 poise Evaporation Rate: None (Polymeric Resin)

Section 10 - Stability and Reactivity

Stability: These products are stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization can not occur.

Chemical Incompatibilities: Strong acids and oxidizers.

Conditions to Avoid: Avoid contamination with water and other materials that react with amines. **Thermal Decomposition Products:** Oxides of nitrogen, carbon monoxide and carbon dioxide

Section 11- Toxicological Information

None Established

Section 12 - Ecological Information

None Established

Section 13 - Disposal Considerations

Disposal: These materials must be disposed of in accordance with applicable local regulations.

Section 14 - Transport Information			
DOT	ΙΑΤΑ	IMDG	
Not Regulated	Not Regulated	Not Regulated	

Section 15 - Regulatory Information

United States EPA Regulations:

US TSCA Inventory Status (40 CFR 710): All components of this product are listed on the TSCA inventory.

California Proposition 65 Warning: This product contains a chemical that has been identified by the State of California to cause cancer.

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ISDS No. 630 Reoflex [®] Series Dry And Wet Revision: 0006 Section 15 - Regulatory Information (Continued)			
Canadian Regulations; WHMIS Identification: D2A, D CDSL/NDL (Canadian Domes	2B stic Substance List/Non Domestic Si		
Labeling according to EEC Risk Phrases	Symbol(s) Required for EU Label	Safety Phrases	
 R21/22: Harmful in contact with skin and if swallowed. R36: Irritating to eyes. R43: May cause sensitization by skin contact. R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed. R50/53: Very toxic to aquatic organisms may cause long term adverse effects in the aquatic environment. 	Xn: Harmful	 S2: Keep out of reach of children. S24: Avoid contact with skin. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28: After contact with skin, wash immediately with plenty of soap-suds. S36/37/39: Wear suitable protective clothing, gloves and eye and face protection. S60: This material and container must be disposed as hazardous waste. S61: Avoid release to the environment. (See MSDS). 	
	16 - Other Information		
date. However, no warranty is the use of this product is not we determine the suitability of the liability for its safe use. This Material Safety Data Shee Health Administration (OSHA)H Workplace Hazardous Materia 1907/2006/EEC (REACH). Hazar of each hazardous ingredient Communication Standard (29	contained in this MSDS is considered s expressed or implied regarding the within the control of Smooth-On Inc. e product for its intended application t is prepared to comply with the Unite Hazard Communication Standard (29 als Information System (WHMIS), and symbols and risk phrases are based . Unlisted ingredients are not "haz CFR 1910.1200), the Canadian or the European Union (EU/EEC) d	e accuracy of the data. Since , it is the user's obligation to and assumes all risk and d States Occupational Safety and CFR 1910.1200), the Canadian and European Union Directive d on maximum listed concentration cardous" per the OSHA Hazard Workplace Hazardous Materials	

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considered trade secrets ι Legislation), and European	nder US Federal Law (29CFR and 40CFR), Canadia Union Directives.	an Law (Health Canada