SAFETY DATA SHEET

W85

Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name or designation of the mixture	111 TR Slurry Wax Release
Registration number	-
Synonyms	None.
Date of first issue	30-March-2011
Version number	01
Revision date	-
Supersedes date	-

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

Identified uses	Not available.
Uses advised against	Use in accordance with supplier's recommendations.

Details of the supplier of the safety data sheet

Supplier

Company name	TR Industries
Address	11022 Vulcan Street South Gate, CA 90280-0893 United States
Telephone:	(562) 923-5438
Contact person	Not available.
CHEMTREC:	(800) 424-9300
CHEMTREC International	00 1-703-527-3887

Section 2: Hazards identification

Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification	F;R11

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards		
Flammable solids	Category 2	Flammable solid.

Hazard summary

Physical hazards	Highly flammable.
Health hazards	Not classified for health hazards.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Vapors may form explosive vapor/air mixtures.
Main symptoms	In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Signal word	Warning
Hazard statements	Flammable solid.

Precautionary statements

Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting// equipment. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area.
Response	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN: Gently wash with plenty of soap and water. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Storage	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	None.
Other hazards	Not assigned.

Section 3: Composition/information on ingredients

Mixture

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Solvent Naphtha (petroleum), Heavy Aliphatic	40 - 50	64742-96-7 265-200-4	-	649-406-00-5	
Classification: **DSD:** Xn;R65					
CLP: Asp. Tox. 1;H304					
Stoddard solvent	30 - 40	8052-41-3 232-489-3	-	649-345-00-4	#
Classification: **DSD:** R10, Xn;R65					
CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304					

#: This substance has workplace exposure limit(s).
DSD: Directive 67/548/EEC.
CLP: Regulation No. 1272/2008.

Composition comments The full text for all R- and H-phrases is displayed in section 16. Components not listed are either non-hazardous or are below reportable limits. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Section 4: First aid measures

General information Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

Description of first aid measures

Inhalation	Move into fresh air and keep at rest. If breathing is difficult, give oxygen. Get medical attention if discomfort develops or persists.
Skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Immediately rinse mouth and drink a cupful of water. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately.
Most important symptoms and effects, both acute and delayed	Vapours may cause drowsiness and dizziness.
Indication of any immediate medical attention and special treatment needed	Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Section 5: Firefighting measures

General fire hazards The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

Extinguishing media

Suitable extinguishing media	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the substance or mixture	Vapors may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

Advice for firefighters

Special protective equipment for firefighters	Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire.
Special firefighting procedures	Containers should be cooled with water to prevent vapor pressure build up. Cool containers exposed to flames with water until well after the fire is out. Move containers from fire area if you can do so without risk.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	See Section 8 for personal protective equipment.
For emergency responders	Keep unnecessary personnel away.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
Methods and material for containment and cleaning up	Remove sources of ignition. Prevent entry into waterways, sewers, basements or confined areas. Should not be released into the environment. Large Spills: Sweep or scoop up and remove. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste.
Reference to other sections	For personal protection, see section 8. For waste disposal, see section 13.

Section 7: Handling and storage

Precautions for safe handling	Keep away from heat and sources of ignition. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Use Personal Protective Equipment recommended in section 8 of the MSDS. When using, do not eat, drink or smoke. Wash thoroughly after handling.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks and open flame. Keep in a well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.
Specific end use(s)	Not available.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

Belgium. Exposure Limit Values.

Components	Type	Value
Stoddard solvent (8052-41-3)	TWA	100 ppm 533 mg/m3

Denmark. Exposure Limit Values

Components	Type	Value
Stoddard solvent (8052-41-3)	TLV	25 ppm 145 mg/m3

Estonia. OELs. Occupational Exposure Limit Values for Hazardous Substances (Minister of Social Affairs Regulation No. 57)

Components	Type	Value
Stoddard solvent (8052-41-3)	STEL	600 mg/m3 100 ppm
	TWA	300 mg/m3 50 ppm

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
Stoddard solvent (8052-41-3)	STEL	720 mg/m3
		125 ppm
	TWA	575 mg/m3
		100 ppm

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
Stoddard solvent (8052-41-3)	TWA	25 ppm
		145 mg/m3

Ireland. Occupational Exposure Limits

Components	Type	Value
Stoddard solvent (8052-41-3)	TWA	100 ppm
		573 mg/m3

Italy. OELs

Components	Type	Value
Stoddard solvent (8052-41-3)	TWA	100 ppm

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value
Stoddard solvent (8052-41-3)	STEL	900 mg/m3
	TWA	300 mg/m3

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value
Stoddard solvent (8052-41-3)	TWA	100 ppm

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
Stoddard solvent (8052-41-3)	STEL	1000 mg/m3
	TWA	700 mg/m3

Sweden. Occupational Exposure Limit Values

Components	Type	Value
Stoddard solvent (8052-41-3)	STEL	300 mg/m3
		50 ppm
	TWA	150 mg/m3
		25 ppm

Recommended monitoring procedures Follow standard monitoring procedures.

DNEL Not available.

PNEC Not available.

Exposure controls

Appropriate engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment.

Individual protection measures, such as personal protective equipment

General information Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection If eye contact is likely, safety glasses with side shields or chemical type goggles should be worn.

Skin protection

- Hand protection Chemical resistant gloves are recommended.

- Other Wear suitable protective clothing and gloves.

Respiratory protection	Wear a CEN approved respirator, with appropriate cartridge or canister, suitable for airborne concentration levels present.
Thermal hazards	Not applicable.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices. Provide eyewash station and safety shower.
Environmental exposure controls	Environmental manager must be informed of all major releases.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	White solid.
Physical state	Solid.
Form	Solid.
Colour	White.
Odour	Characteristic.
Odour threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not available.
Boiling point, initial boiling point, and boiling range	154,4 - 207 °C (309,9 - 404,6 °F)
Flash point	48,9 °C (120 °F)
Auto-ignition temperature	Not applicable.
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidising properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapour pressure	Not applicable.
Vapour density	1.79 Air = 1
Evaporation rate	0,1 butyl acetate = 1
Relative density	0,81
Solubility (water)	Negligible
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Percent volatile	82 %
Other information	No relevant additional information available.

Section 10: Stability and reactivity

Reactivity	None known.
Chemical stability	Risk of ignition. Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Heat, flames and sparks. Electrostatic Discharge.
Incompatible materials	Strong oxidising agents. Strong acids. Strong bases.
Hazardous decomposition products	Carbon oxides.

Section 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Ingestion	Ingestion may cause irritation and malaise.

Inhalation	High vapor concentrations may cause central nervous system effects.
Skin contact	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Symptoms	Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Prolonged or repeated contact may dry skin and cause irritation.

Information on toxicological effects

Acute toxicity	May cause central nervous system effects. Prolonged or repeated contact may dry skin and cause irritation.
Skin corrosion/irritation	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory sensitisation	Not assigned.
Skin sensitisation	Not available.
Germ cell mutagenicity	Not assigned.
Carcinogenicity	Not assigned.

IARC Monographs. Overall Evaluation of Carcinogenicity

Stoddard solvent (CAS 8052-41-3)	3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity	Not assigned.
Specific target organ toxicity - single exposure	Not assigned.
Specific target organ toxicity - repeated exposure	Not assigned.
Aspiration hazard	Not assigned.
Mixture versus substance information	Not available.
Other information	Not available.

Section 12: Ecological information

Toxicity	No toxicity data noted for the ingredient(s).
Persistence and degradability	Not available.
Bioaccumulative potential	Not available.
Mobility	Not available.
Environmental fate - Partition coefficient	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not available.
Other adverse effects	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.

Section 13: Disposal considerations

Waste treatment methods

Residual waste	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	Offer rinsed packaging material to local recycling facilities.
EU waste code	Waste codes should be assigned by the user based on the application for which the product was used. The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Do not incinerate sealed containers. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container.

Section 14: Transport information

ADR

UN number	UN1325
UN proper shipping name	Flammable solid, organic, n.o.s.
Transport hazard class(es)	4.1
Subsidiary class(es)	-
Packing group	III

Environmental hazards	No
Tunnel restriction code	E
Labels required	4.1
Special precautions for user	Not available.

RID

UN number	UN1325
UN proper shipping name	Flammable solid, organic, n.o.s.
Transport hazard class(es)	4.1
Subsidiary class(es)	-
Packing group	III
Environmental hazards	No
Labels required	4.1
Special precautions for user	Not available.

ADN

UN number	UN1325
UN proper shipping name	Flammable Solid, N.o.s.
Transport hazard class(es)	4.1
Subsidiary class(es)	-
Packing group	III
Environmental hazards	No
Labels required	4.1
Special precautions for user	Not available.

IATA

UN number	UN1325
UN proper shipping name	Flammable solid, organic, n.o.s. (Mineral spirits)
Transport hazard class(es)	4.1
Subsidiary class(es)	-
Packing group	III
Environmental hazards	No
ERG Code	3L
Special precautions for user	Not available.

IMDG

UN number	UN1325
UN proper shipping name	FLAMMABLE SOLID, ORGANIC, N.O.S. (MINERAL SPIRITS)
Transport hazard class(es)	4.1
Subsidiary class(es)	-
Packing group	III
Marine pollutant	No
EmS No.	F-A, S-G
Special precautions for user	Not available.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

Section 15: Regulatory information

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

EU Regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registery (EPER)

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List

Not listed.

Other regulations	The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
National regulations	Not available.
Chemical safety assessment	No Chemical Safety Assessment has been carried out.

Section 16: Other information

List of abbreviations	DNEL: Derived No-Effect Level. PNEC: Predicted No-Effect Concentration. CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.
References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Full text of any statements or R-phrases and H-phrases under Sections 2 to 15	R10 Flammable. R11 Highly flammable. R65 Harmful: may cause lung damage if swallowed. H226 - Flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways.
Training information	Not available.
Issue date	30-March-2011
Revision date	30-March-2011
Print date	21-April-2011