

STAPA NDF 130 Aluminum Paste

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 12/05/2019

 3.1
 12/17/2021
 102000001203
 Date of first issue: 05/07/2018

SECTION 1. IDENTIFICATION

Product name : STAPA NDF 130 Aluminum Paste

Product code : 052112G60

Manufacturer or supplier's details

Company name of supplier : ECKART America Corporation

Address : 830 East Erie Street

Painesville OH 44077

Telephone : 866-458-7837 Telefax : (440) 354-6224

Emergency telephone : CHEMTREC: 800-424-9300

CHEMTREC: 1-703-527-3387 (International)

NCEC:

(contract no. ECKART29003-NCEC) US: +1 866 928 0789 (Toll free) Canada: +1 800 579 7421 (Toll Free)

Mexico: +52 55 5004 8763

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin irritation : Category 2

Specific target organ toxicity : Cated

- single exposure

: Category 3 (Central nervous system)

GHS label elements

Hazard pictograms

Signal Word : Warning

Hazard Statements : H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

Precautionary Statements : Prevention:

P261 Avoid breathing dust.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.



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P280 Wear protective gloves.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and

water.

P304 + P340 + P312 IF INHALED: Remove person to fresh

air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P332 + P313 If skin irritation occurs: Get medical advice/

attention.

P362 Take off contaminated clothing and wash

before reuse.

Storage:

P403 + P233 Store in a well-ventilated place. Keep

container tightly closed.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved

waste disposal plant.

Hazardous ingredients which must be listed on the label:

Distillates (petroleum), hydrotreated light Solvent naphtha (petroleum), light arom.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Aluminum	7429-90-5	>= 50 - < 70
Distillates (petroleum), hydrotreated light	64742-47-8	>= 20 - < 30
Solvent naphtha (petroleum), light arom.	64742-95-6	>= 5 - < 10
Benzene, 1,2,4-trimethyl-	95-63-6	>= 1 - < 5

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : Take the victim into fresh air.

Do not leave the victim unattended.

Move out of dangerous area.

Show this material safety data sheet to the doctor in



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attendance.

If inhaled Consult a physician after significant exposure.

If unconscious, place in recovery position and seek medical

advice.

In case of skin contact Wash off immediately with soap and plenty of water.

If skin irritation persists, call a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact Immediately flush eye(s) with plenty of water.

Flush eyes with water as a precaution.

Remove contact lenses.

Keep eve wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed Keep respiratory tract clear.

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

Causes skin irritation.

May cause drowsiness or dizziness.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Dry sand

Special powder against metal fire

Unsuitable extinguishing

media

delayed

Water Foam

ABC powder

Carbon dioxide (CO2)

Specific hazards during fire

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Further information Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Special protective equipment:

for fire-fighters

Use personal protective equipment.

Wear self-contained breathing apparatus for firefighting if

necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Use personal protective equipment. Remove all sources of ignition.

Use personal protective equipment.



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Avoid dust formation.

Remove all sources of ignition.

Environmental precautions

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for containment and cleaning up

Use mechanical handling equipment.

Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Do not flush with water.

Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against

fire and explosion

Keep away from open flames, hot surfaces and sources of

ignition.

Earthing of containers and apparatuses is essential.

Avoid dust formation.

Keep away from open flames, hot surfaces and sources of

ignition.

Advice on safe handling : Keep away from heat and sources of ignition.

Avoid dust formation.

Ensure adequate ventilation.

Avoid formation of respirable particles.

Do not breathe vapors/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

Conditions for safe storage : Store in original container.

Keep containers tightly closed in a cool, well-ventilated place.

Keep container closed when not in use.

Keep away from sources of ignition - No smoking.

No smoking.

Keep container tightly closed in a dry and well-ventilated



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place.

Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Technical

Protect from humidity and water.

measures/Precautions

Do not allow to dry.

Materials to avoid : Do not store together with oxidizing and self-igniting products.

Never allow product to get in contact with water during

storage.

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Further information on storage stability

No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Aluminum	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-3
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (respirable fraction)	5 mg/m3	OSHA Z-3
		TWA (respirable fraction)	15 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable particulate matter)	1 mg/m3	ACGIH
		TWA	5 mg/m3 (Aluminum)	NIOSH REL
		TWA (Total)	15 mg/m3 (Aluminum)	OSHA P0
		TWA (Respirable	5 mg/m3 (Aluminum)	OSHA P0



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		fraction)	15 m a/m 2	OSHA Z-1
		TWA (total	15 mg/m3	USHA Z-1
		dust)	(Aluminum)	00114 7.4
		TWA	5 mg/m3	OSHA Z-1
		(respirable	(Aluminum)	
		fraction)	45 m m/m 0	OCHA DO
		TWA (Total	15 mg/m3 (Aluminum)	OSHA P0
		dust) TWA	` ,	OCUA DO
		(respirable	5 mg/m3 (Aluminum)	OSHA P0
		dust fraction)	(Aldiffillatif)	
		TWA	5 mg/m3	NIOSH REL
		(welding	(Aluminum)	
		fumes)		
		TWA (pyro	5 mg/m3	NIOSH REL
		powders)	(Aluminum)	
		TWA	1 mg/m3	ACGIH
		(Respirable	(Aluminum)	
		particulate		
		matter)		
		TWA	5 mg/m3	OSHA P0
		(Fumes)		
Distillates (petroleum),	64742-47-8	TWA	500 ppm	OSHA Z-1
hydrotreated light			2,000 mg/m3	
		TWA	200 mg/m3	ACGIH
			(total hydrocarbon	
			vapor)	
		TWA	400 ppm	OSHA P0
			1,600 mg/m3	
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
Solvent naphtha (petroleum), light arom.	64742-95-6	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	500 ppm	OSHA Z-1
			2,000 mg/m3	
		TWA	200 mg/m3	ACGIH
			(total hydrocarbon	
			vapor)	
		TWA	200 mg/m3	ACGIH
			(total hydrocarbon	
			vapor)	
		TWA	400 ppm	OSHA P0
			1,600 mg/m3	



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		TWA	400 ppm 1,600 mg/m3	OSHA P0
Benzene, 1,2,4-trimethyl-	95-63-6	TWA	25 ppm 125 mg/m3	NIOSH REL
		TWA	25 ppm	ACGIH
		TWA	25 ppm 125 mg/m3	OSHA P0

Personal protective equipment

Respiratory protection Use suitable breathing protection if workplace concentration

requires.

In the case of dust or aerosol formation use respirator with an

approved filter.

Hand protection

Material Solvent-resistant gloves

Remarks Take note of the information given by the producer

> concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the

danger of cuts, abrasion, and the contact time.

Recommended preventive skin protection Skin should be washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective

gloves.

Eye protection Safety glasses Skin and body protection

Long sleeved clothing

Safety shoes

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Pasty solid Color silver



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Odor No data available Odor Threshold No data available

pΗ substance/mixture is non-soluble (in water)

Melting point/freezing point No data available

Boiling point/boiling range 170 °C

43 °C Flash point

Evaporation rate No data available Flammability (solid, gas) Combustible Solids

Auto-flammability not auto-flammable Upper explosion limit / Upper No data available

flammability limit

Lower explosion limit / Lower

flammability limit

Vapor pressure No data available Relative density No data available Solubility(ies) No data available Partition coefficient: n-No data available

octanol/water

Autoignition temperature 240 °C

Decomposition temperature No data available Viscosity No data available Explosive properties Not explosive

SECTION 10. STABILITY AND REACTIVITY

Reactivity No decomposition if stored and applied as directed. Chemical stability No decomposition if stored and applied as directed.

No data available

Possibility of hazardous Reacts with alkalis, acids, halogenes and oxidizing agents. reactions

Contact with acids and alkalis may release hydrogen. Mixture reacts slowly with water resulting in evolution of

hydrogen.

Vapor/air-mixtures are explosive at intense warming. Stable under recommended storage conditions.

Conditions to avoid Do not allow to dry.

Heat, flames and sparks.

Incompatible materials Acids

Bases

Oxidizing agents

Highly halogenated compounds



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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Components:

Benzene, 1,2,4-trimethyl-:

Acute inhalation toxicity

: Assessment: The component/mixture is moderately toxic after

short term inhalation.

Skin corrosion/irritation

Causes skin irritation.

Components:

Distillates (petroleum), hydrotreated light:

Result: Skin irritation

Benzene, 1,2,4-trimethyl-:

Result: Skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Components:

Distillates (petroleum), hydrotreated light:

Result: No eye irritation

Benzene, 1,2,4-trimethyl-:

Result: Mild eye irritation

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.



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Components:

Solvent naphtha (petroleum), light arom.:

Germ cell mutagenicity - : Classified based on benzene content < 0.1% (Regulation (EC)

Assessment 1272/2008, Annex VI, Part 3, Note P)

Carcinogenicity

Not classified based on available information.

Components:

Solvent naphtha (petroleum), light arom.:

Carcinogenicity - : Classified based on benzene content < 0.1% (Regulation (EC)

Assessment 1272/2008, Annex VI, Part 3, Note P)

IARC No ingredient of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

OSHA No component of this product present at levels greater than or

equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

May cause drowsiness or dizziness.

Components:

Distillates (petroleum), hydrotreated light:

Assessment: May cause drowsiness or dizziness.

Solvent naphtha (petroleum), light arom.:

Assessment: May cause respiratory irritation., May cause drowsiness or dizziness.

Benzene, 1,2,4-trimethyl-:

Assessment: May cause respiratory irritation.



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STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Components:

Distillates (petroleum), hydrotreated light:

May be fatal if swallowed and enters airways.

Solvent naphtha (petroleum), light arom.:

May be fatal if swallowed and enters airways.

Further information

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Distillates (petroleum), hydrotreated light:

Ecotoxicology Assessment

Acute aquatic toxicity : Harmful to aquatic life.

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

Solvent naphtha (petroleum), light arom.:

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

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

Benzene, 1,2,4-trimethyl-:

Ecotoxicology Assessment

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

Persistence and degradability

No data available

Bioaccumulative potential

No data available



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Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company. In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum. In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

Domestic regulation

49 CFR : Not classified as dangerous in the meaning of transport

regulations.

International Regulations

Remarks : Not classified as dangerous in the meaning of transport

regulations.

ADR : Not classified as dangerous in the meaning of transport

regulations.

IATA-DGR : Not classified as dangerous in the meaning of transport

regulations.

IMDG-Code : Not classified as dangerous in the meaning of transport

regulations.

Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.



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SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ
		(lbs)
cumene	98-82-8	5000

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Skin corrosion or irritation

Specific target organ toxicity (single or repeated exposure)

SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:

Aluminum 7429-90-5 >= 50 - < 70 %

Benzene, 1,2,4-trimethyl- 95-63-6 >= 1 - < 5 %

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

Distillates (petroleum), 64742-47-8 %

hydrotreated light

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Benzene, dimethyl- 1330-20-7 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Benzene, dimethyl- 1330-20-7 %



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This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307 This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know

Aluminum 7429-90-5

Distillates (petroleum), hydrotreated light 64742-47-8

Benzene, 1,2,4-trimethyl- 95-63-6

Pennsylvania Right To Know

Aluminum 7429-90-5

Distillates (petroleum), hydrotreated light 64742-47-8

Solvent naphtha (petroleum), light arom. 64742-95-6

Benzene, 1,2,4-trimethyl- 95-63-6

Benzene, dimethyl- 1330-20-7

cumene 98-82-8

California Prop. 65



WARNING: This product can expose you to chemicals including lead and cadmium, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



WARNING: This product can expose you to chemicals including Distillates (petroleum), hydrotreated light, cumene, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.



WARNING: This product can expose you to chemicals including cumene, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California List of Hazardous Substances

Aluminum 7429-90-5

Distillates (petroleum), hydrotreated light 64742-47-8

Benzene, 1,2,4-trimethyl- 95-63-6



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California Permissible Exposure Limits for Chemical Contaminants

Aluminum 7429-90-5

Distillates (petroleum), hydrotreated light 64742-47-8

Benzene, 1,2,4-trimethyl-

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

DSL : All components of this product are on the Canadian DSL TSCA : All substances listed as active on the TSCA inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA PO : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

1910.1000

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1

Limits for Air Contaminants

OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3

Mineral Dusts

ACGIH / TWA : 8-hour, time-weighted average

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded

at any time during a workday

OSHA P0 / TWA : 8-hour time weighted average OSHA Z-1 / TWA : 8-hour time weighted average OSHA Z-3 / TWA : 8-hour time weighted average

AllC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule;



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ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer: IATA - International Air Transport Association: IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population: LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals: RQ - Reportable Quantity: SADT - Self-Accelerating Decomposition Temperature: SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA -Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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The information provided in this Material 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.

US / Z8